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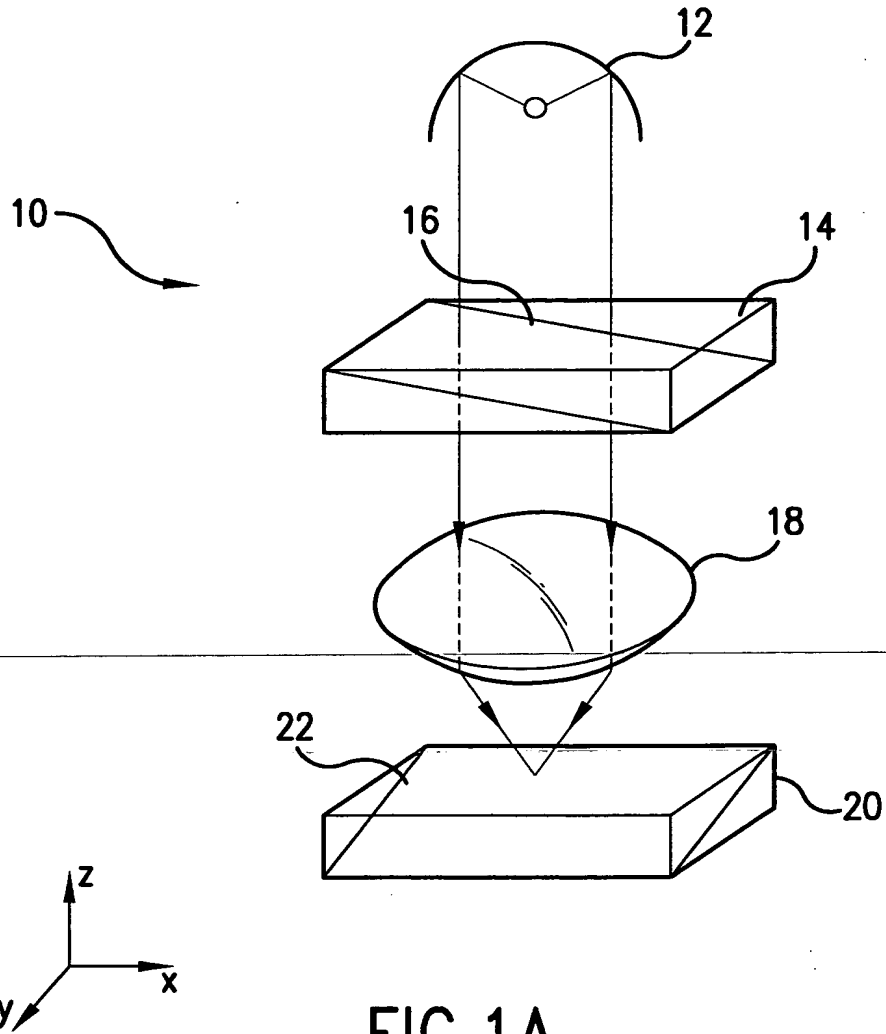


FIG. 1A

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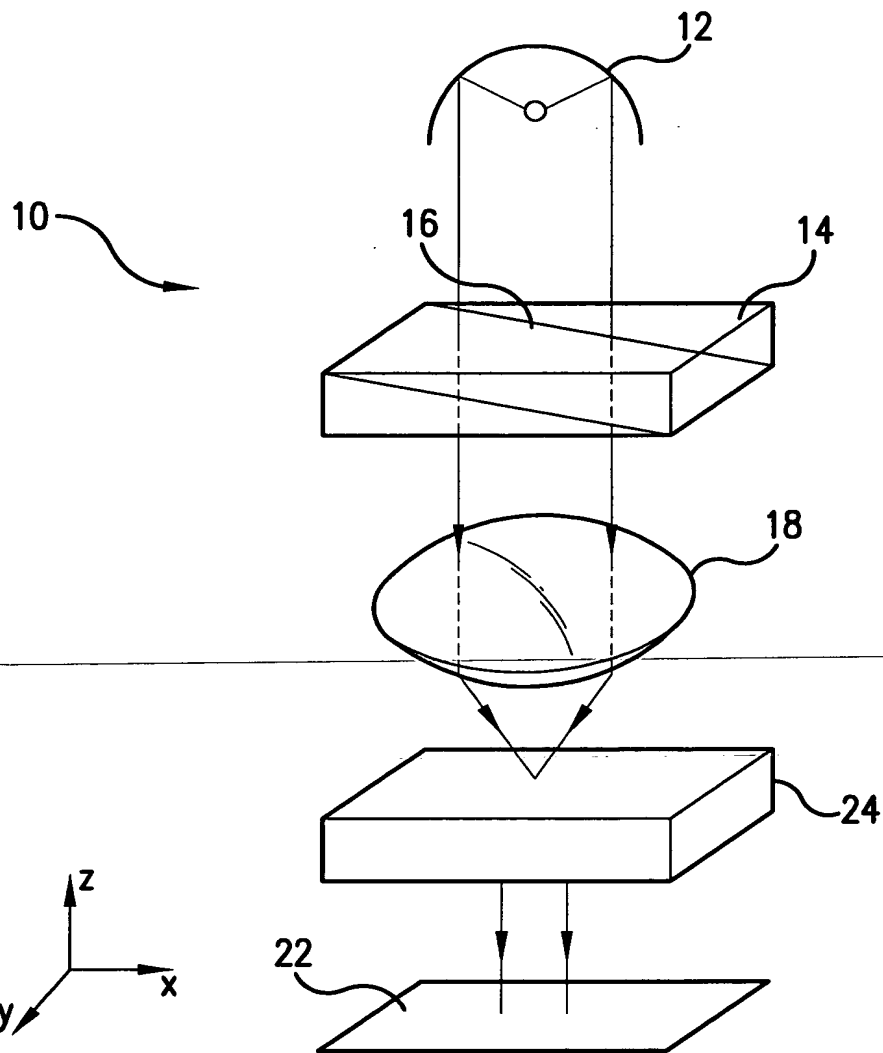


FIG. 1B

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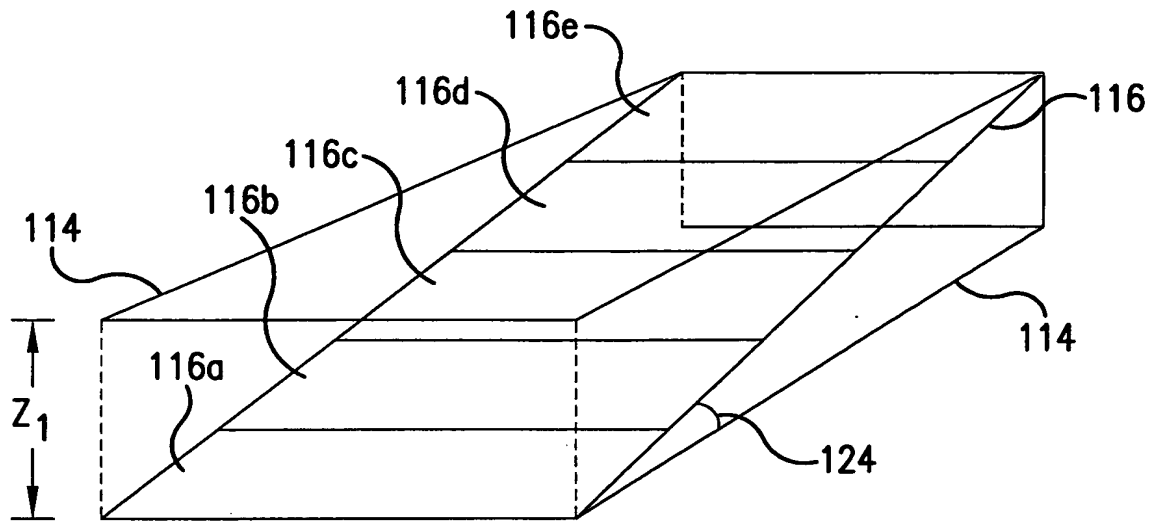


FIG. 2

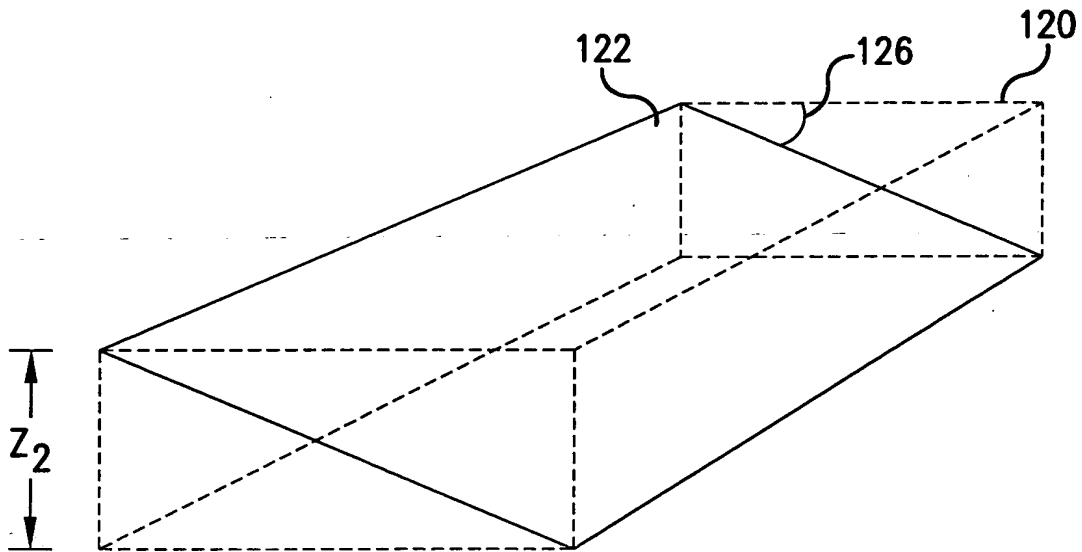
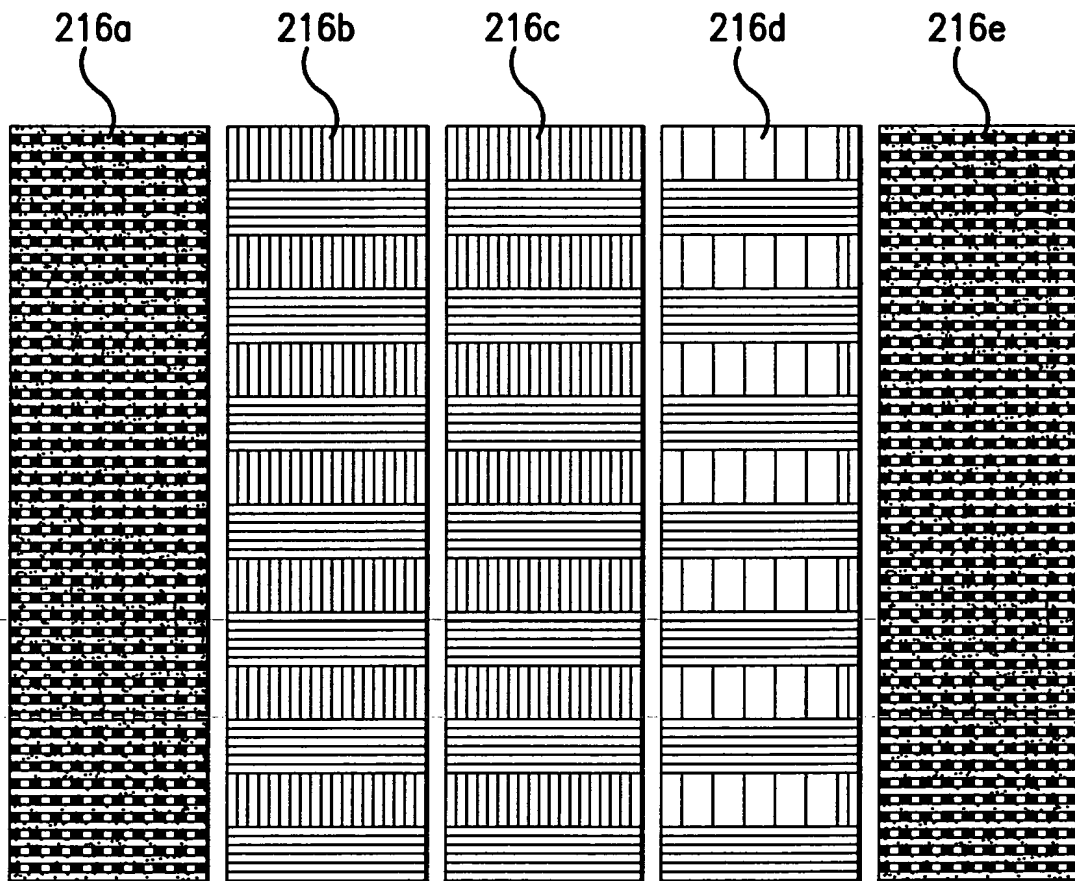


FIG. 3

FIG. 2 OF 20020650

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FIG.4

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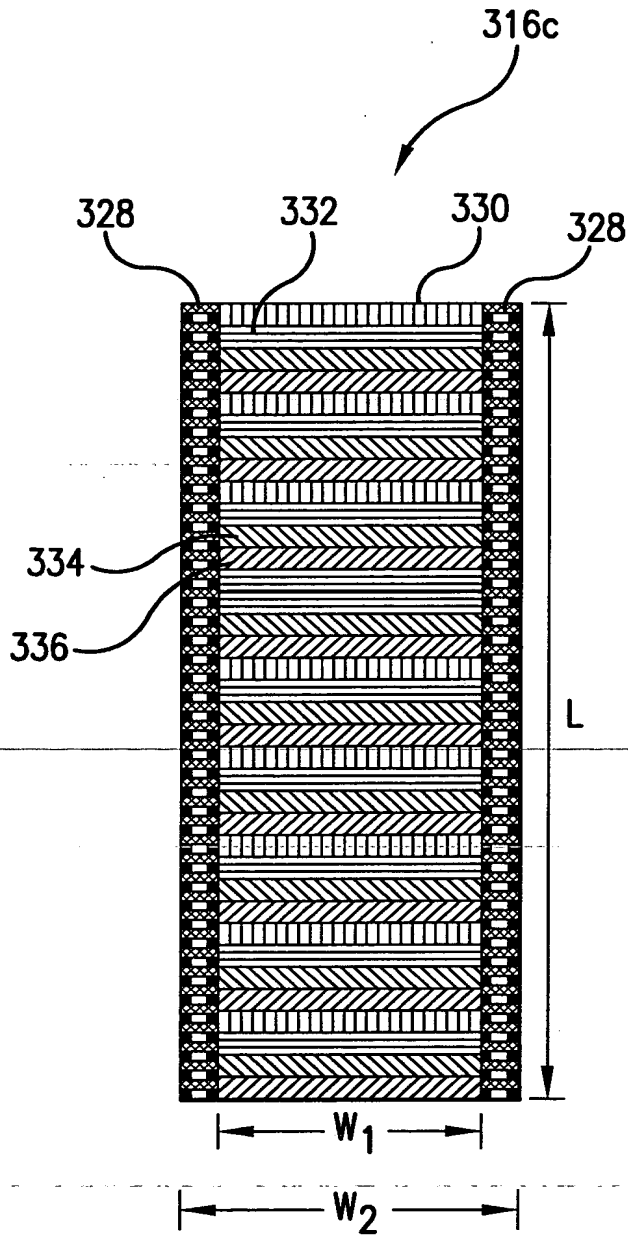


FIG.5A

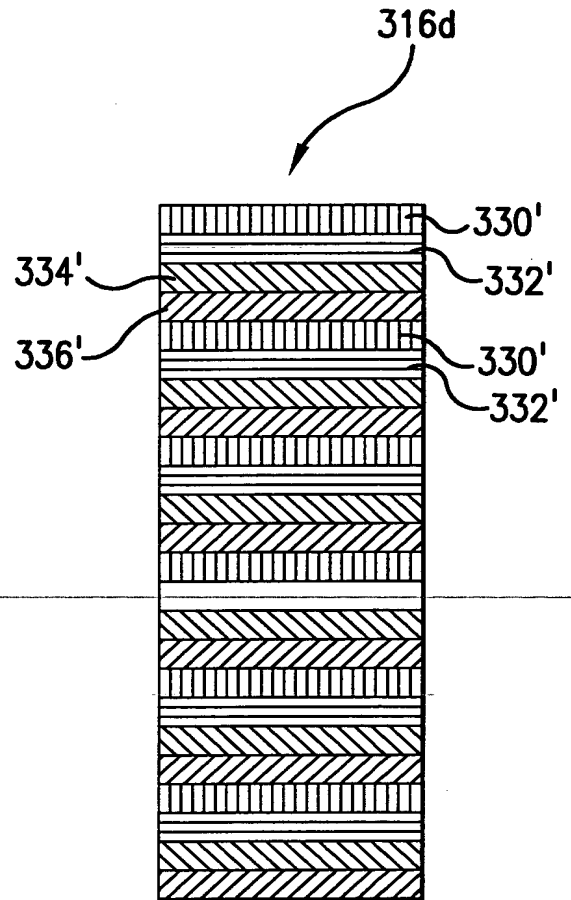


FIG.5B

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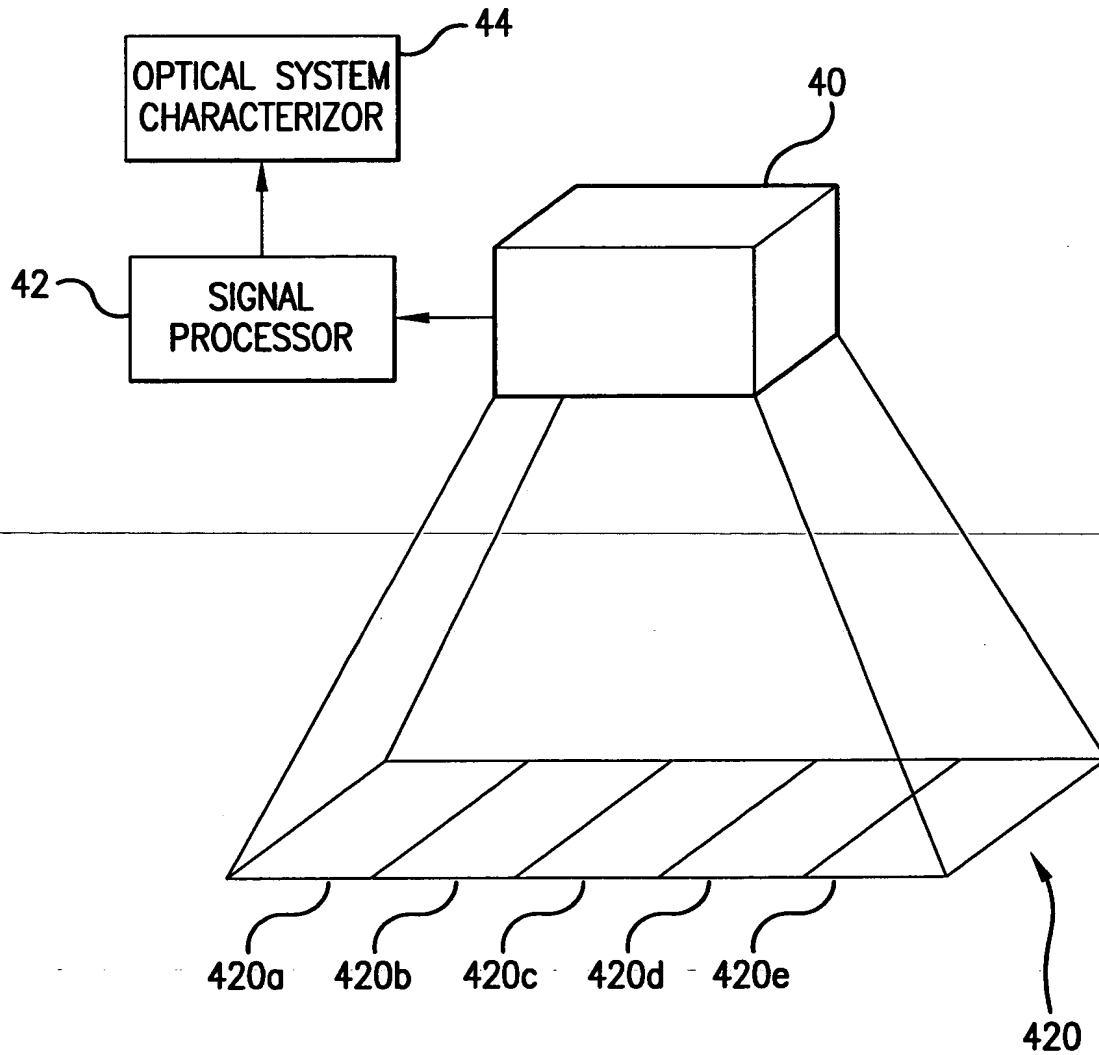


FIG. 6

FIG. 6 of 39

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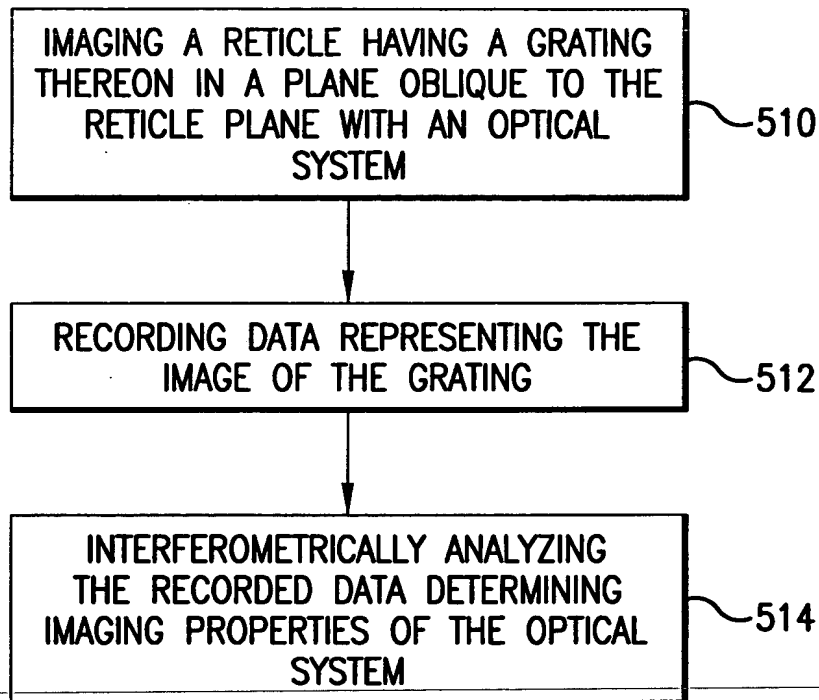


FIG.7

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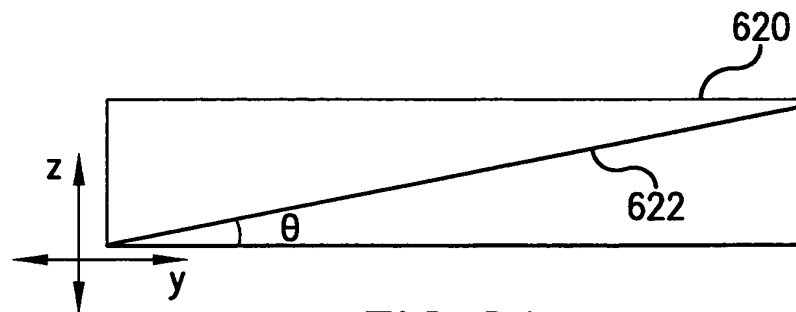


FIG. 8A

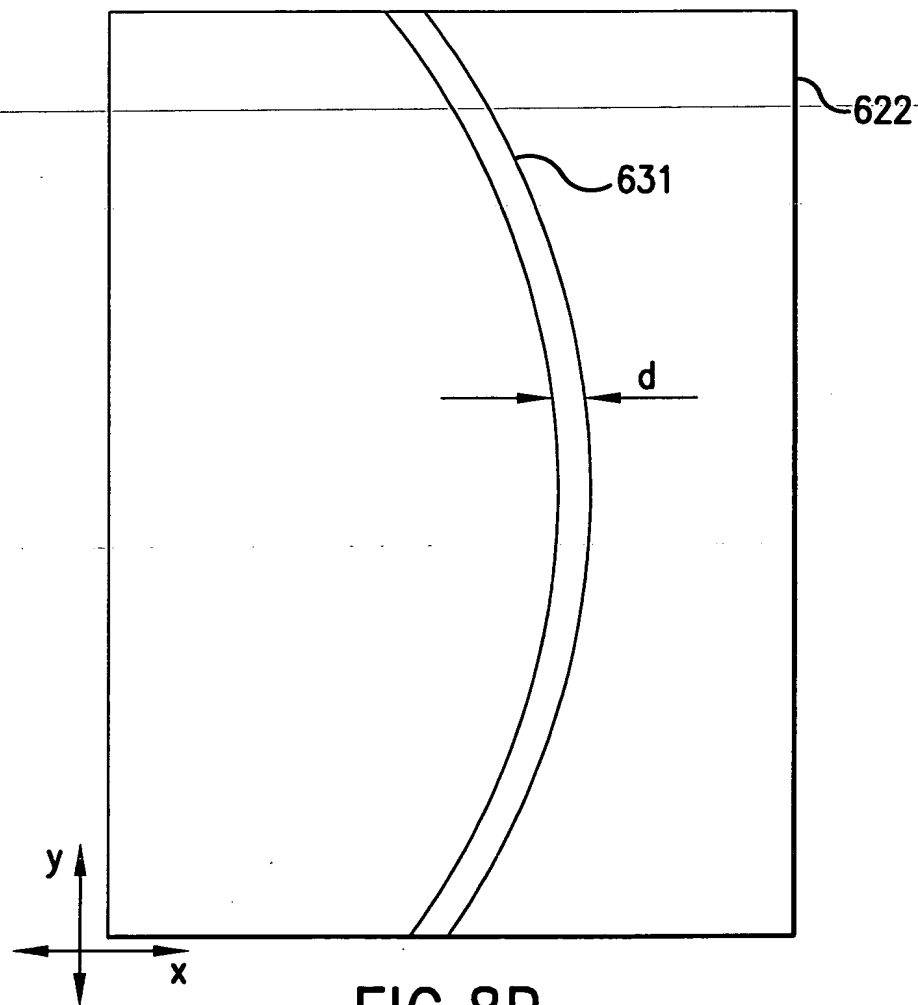


FIG. 8B

FIG. 8A

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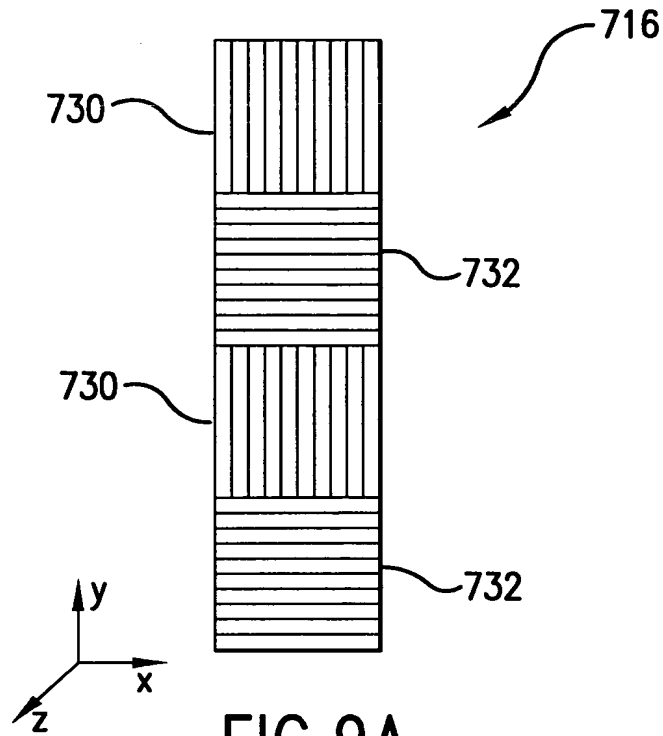


FIG. 9A

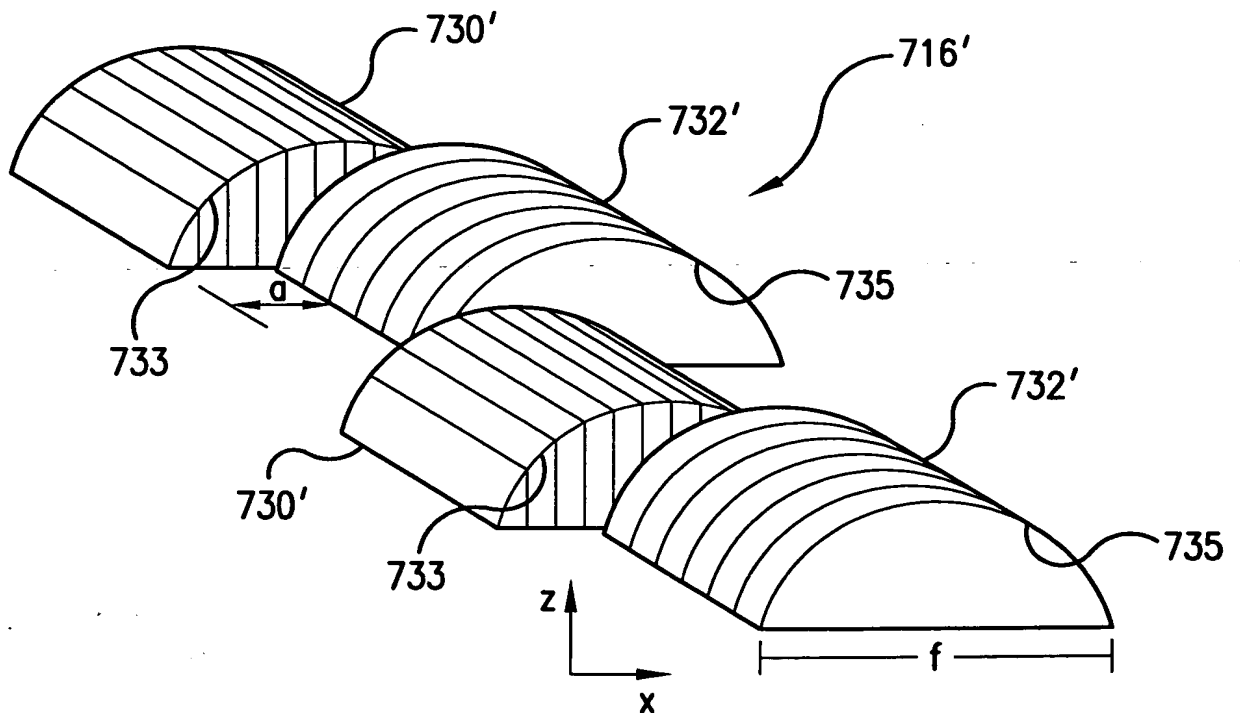


FIG. 9B

FIG. 9A

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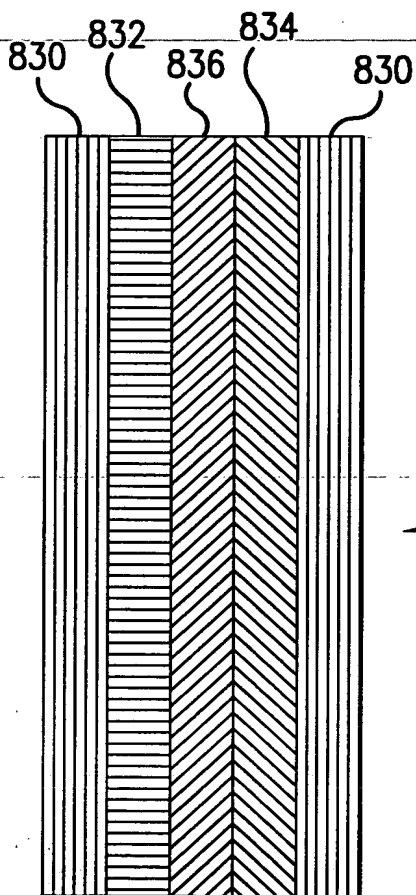


FIG.10B

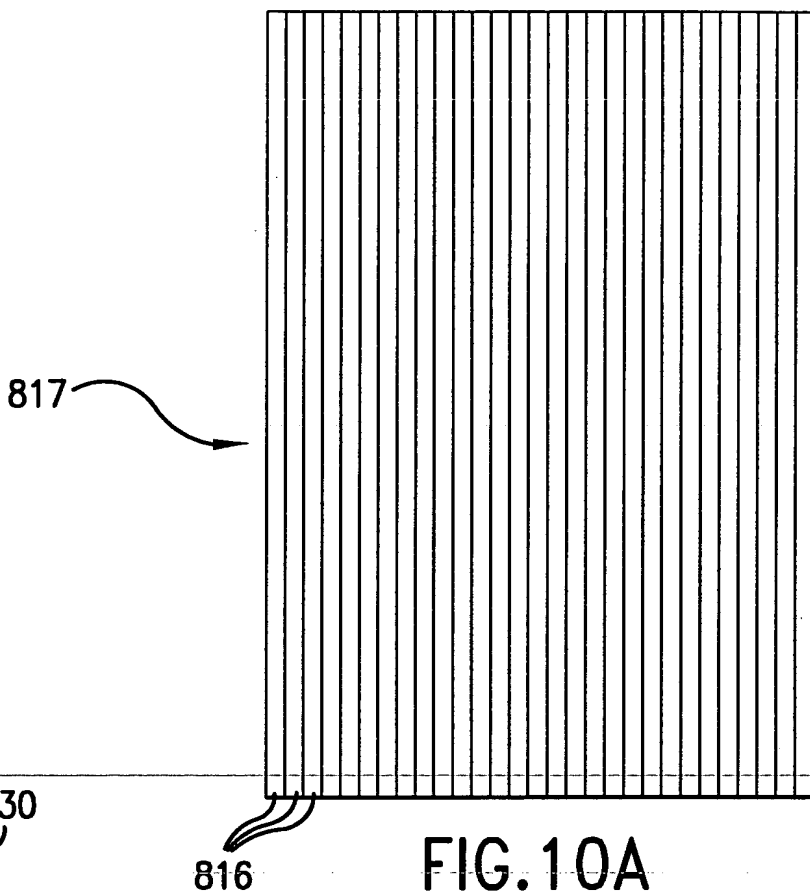
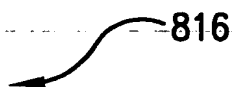


FIG.10A



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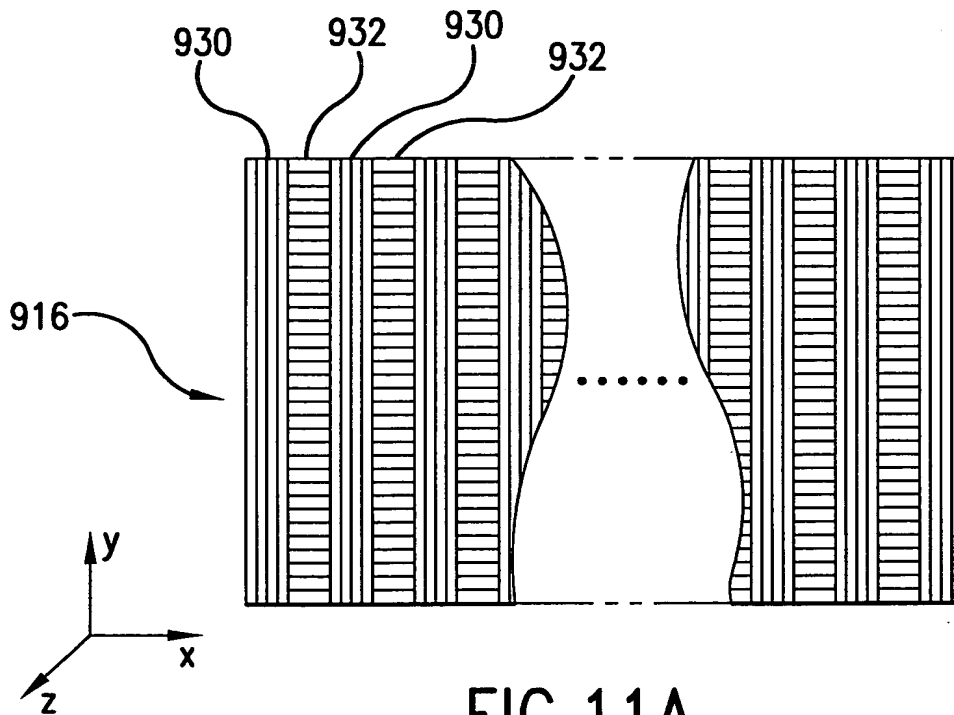


FIG. 11A

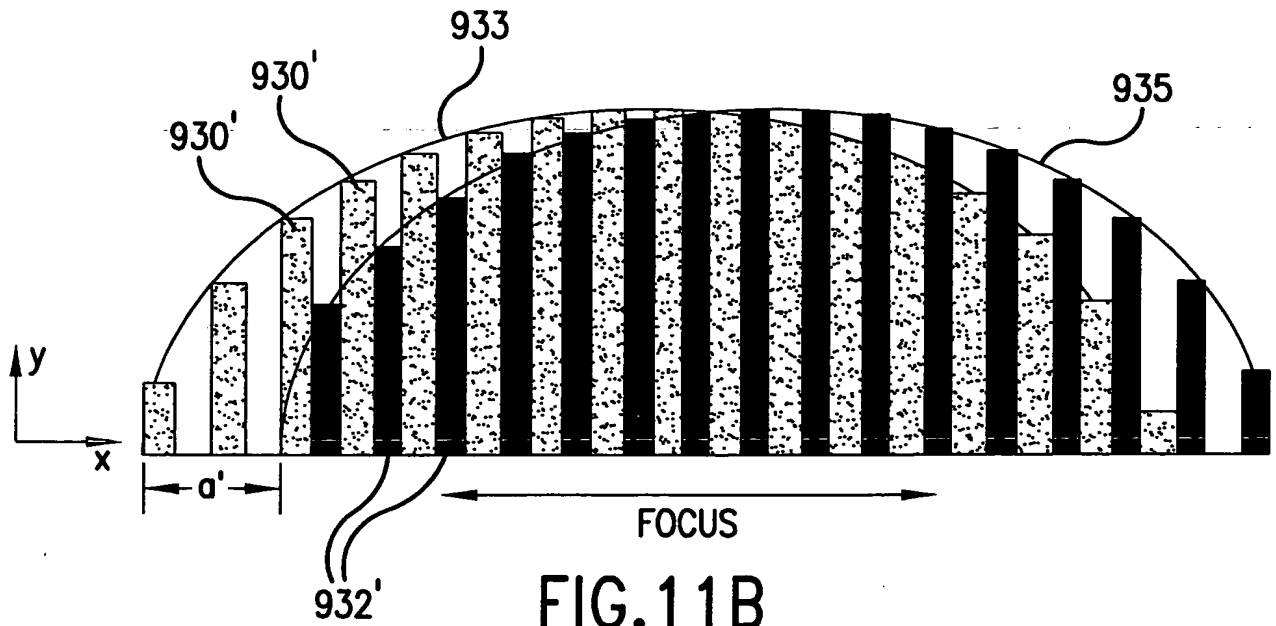


FIG. 11B

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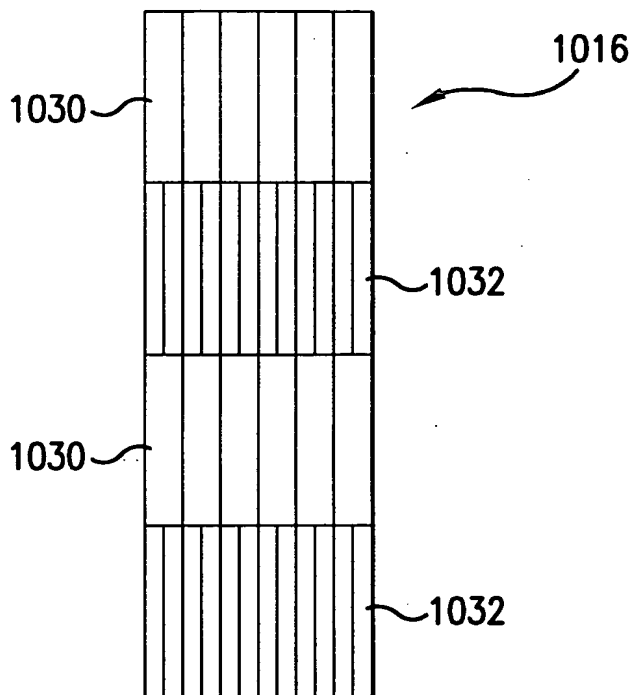


FIG.12

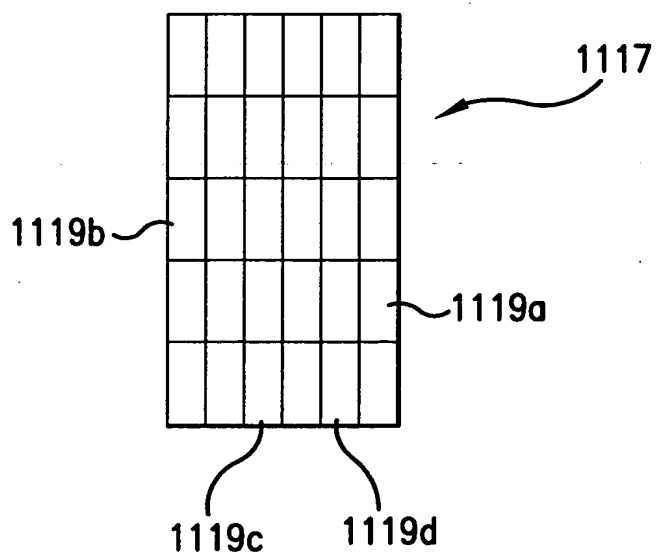


FIG.13

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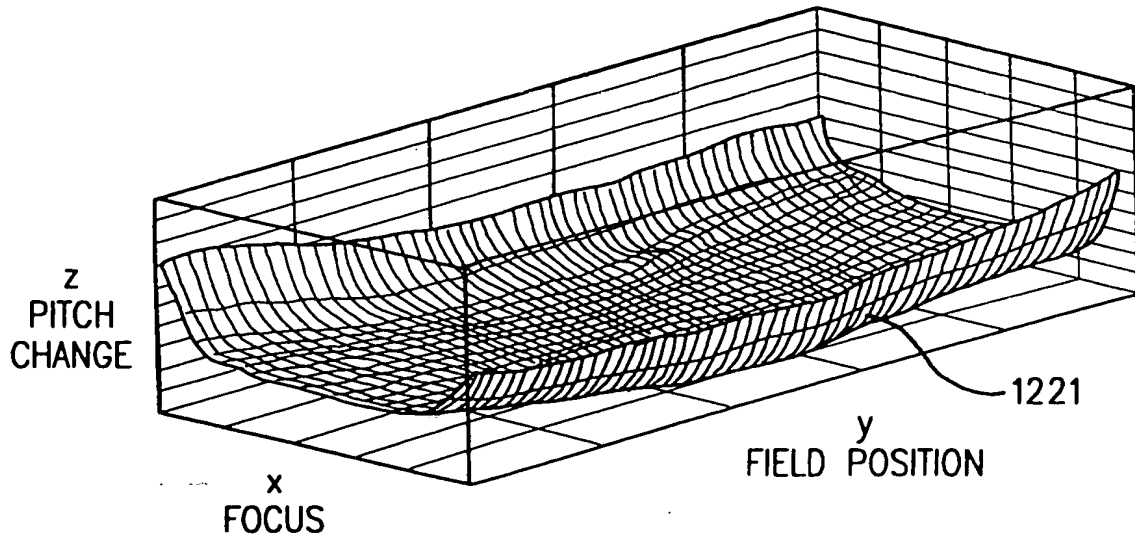


FIG. 14

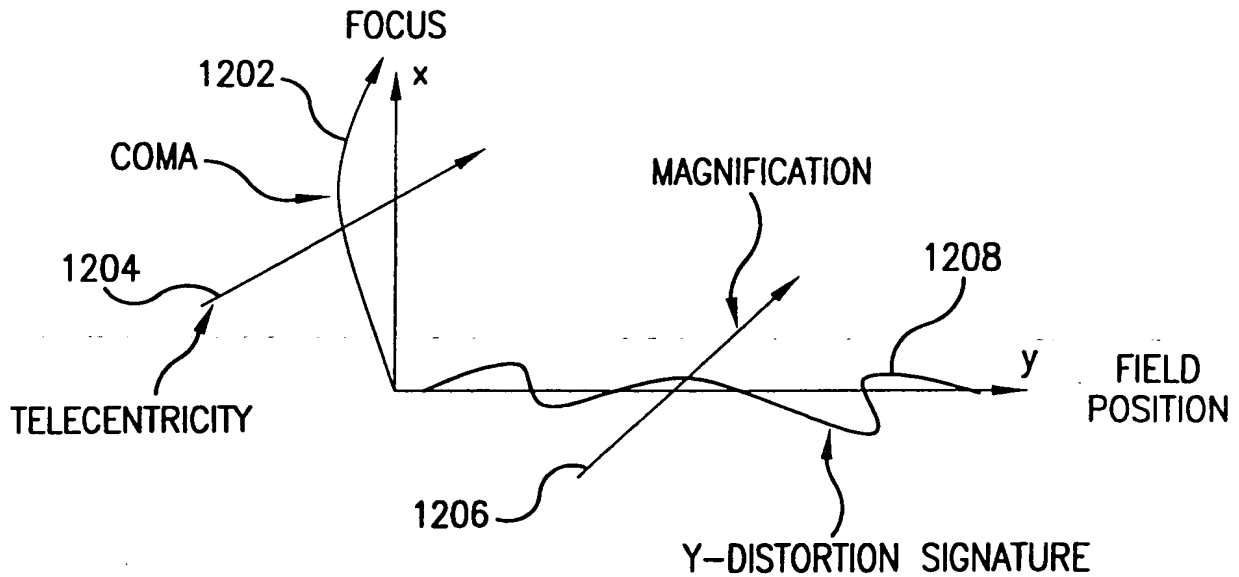
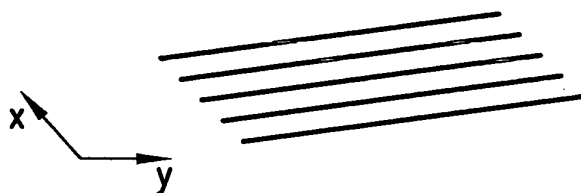


FIG. 15

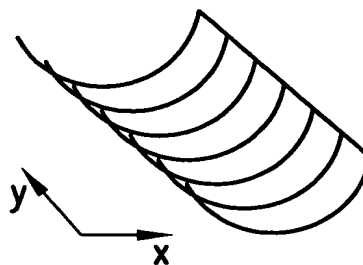
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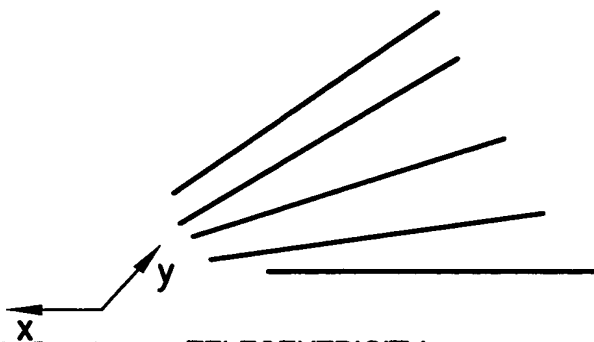
MAGNIFICATION

FIG.16A



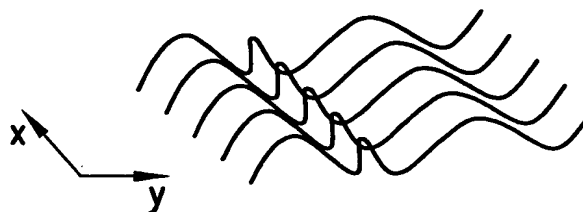
COMA

FIG.16B



TELECENTRICITY

FIG.16C



Y-DISTORTION SIGNATURE

FIG.16D

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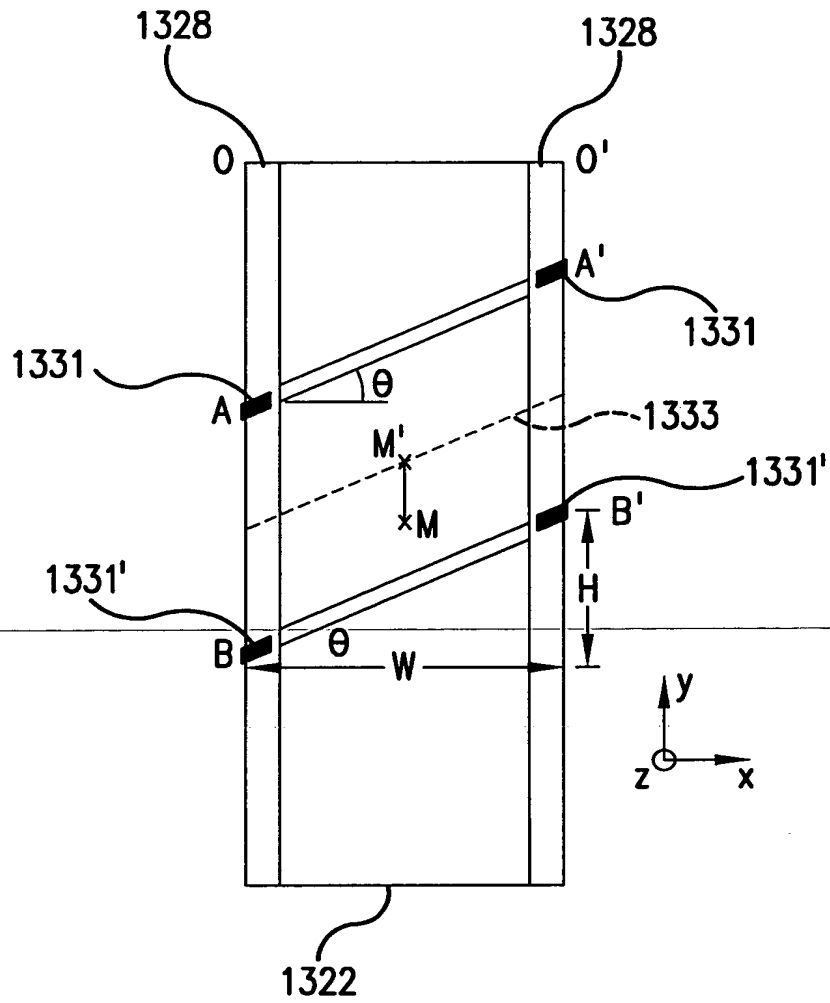


FIG.17

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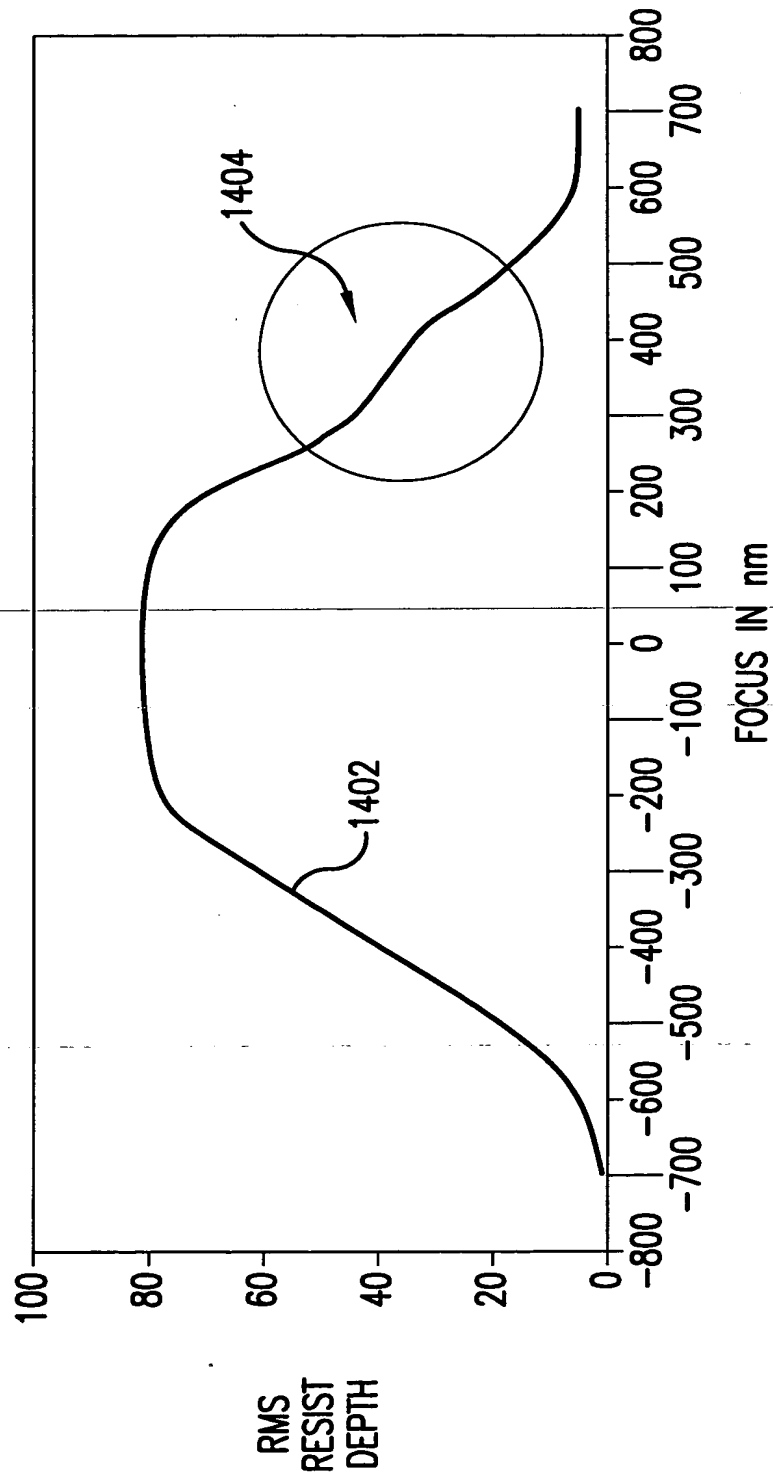


FIG. 18

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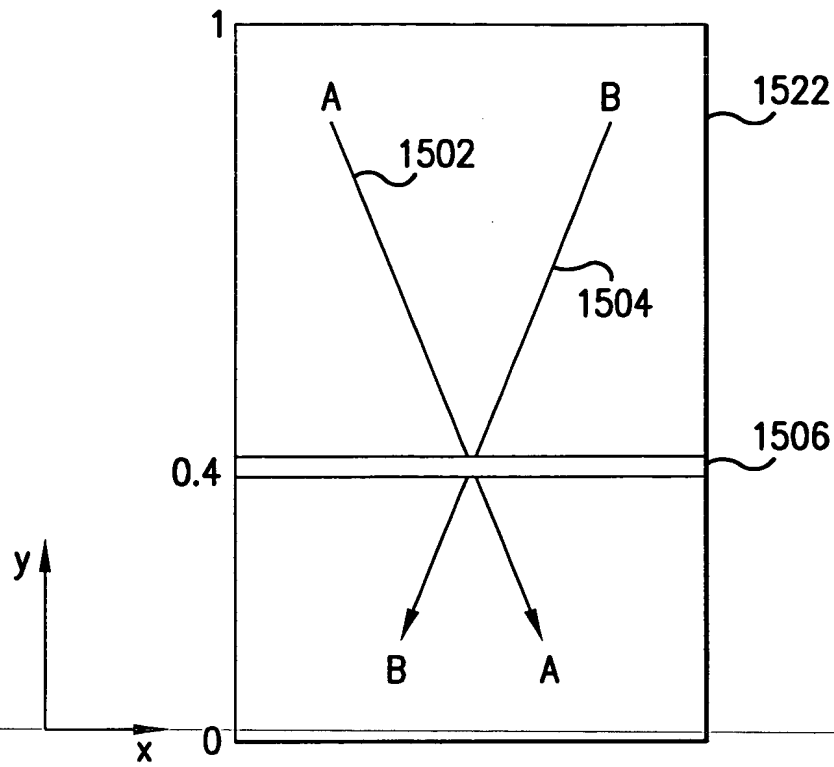


FIG.19A

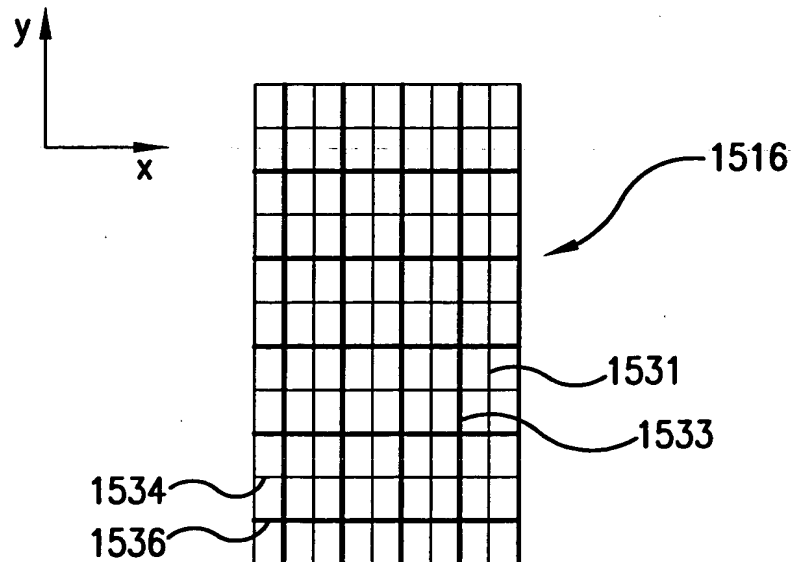


FIG.19B

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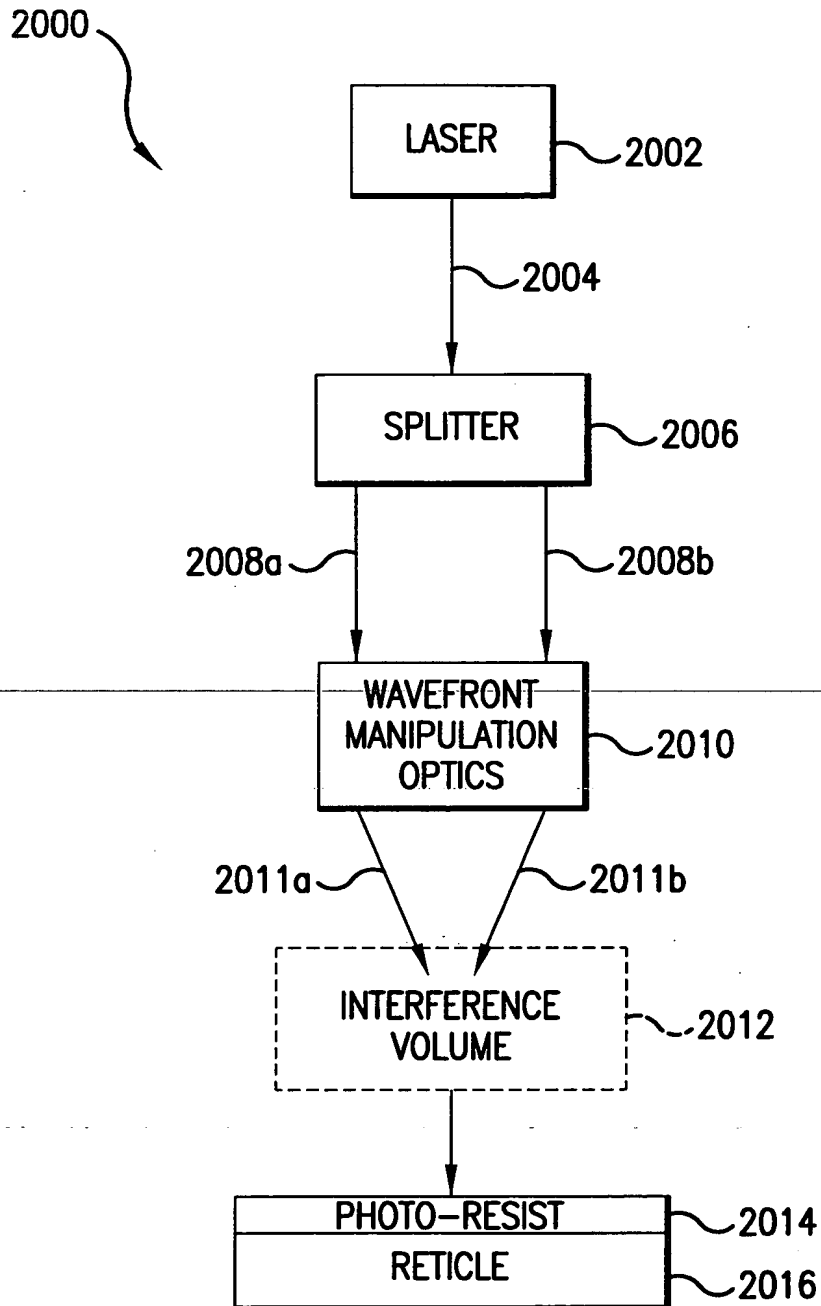


FIG.20

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2100

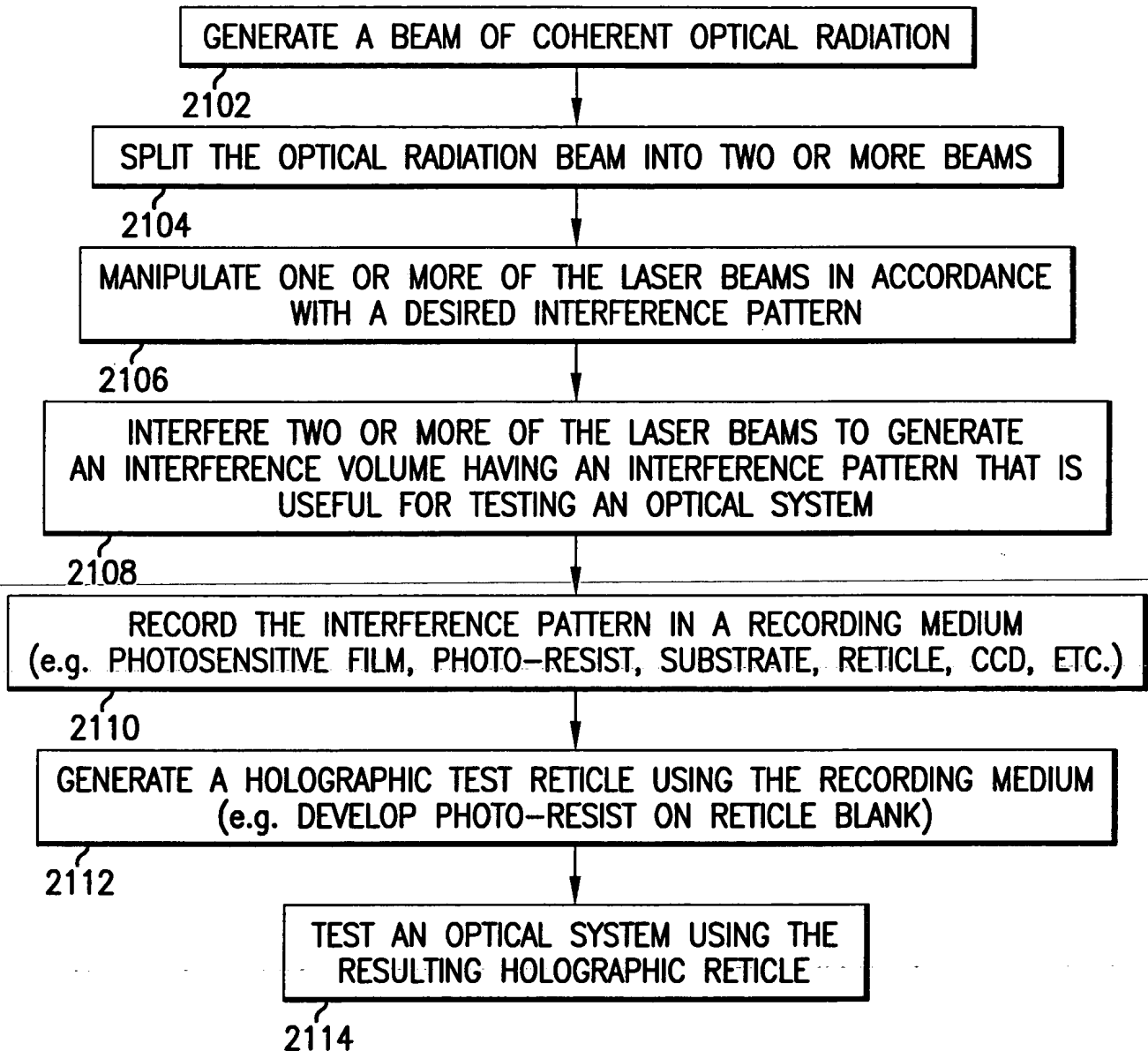


FIG.21

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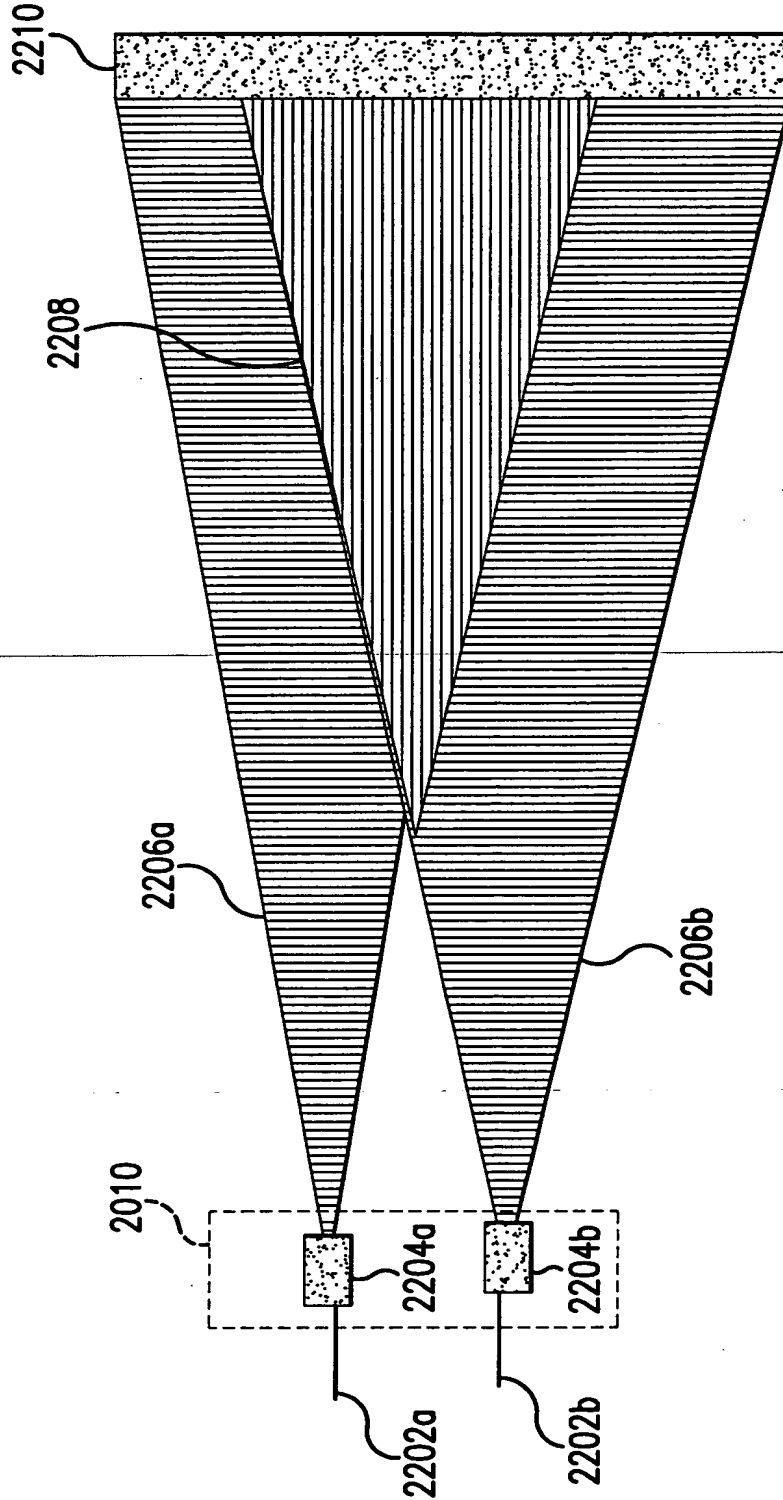


FIG. 22A

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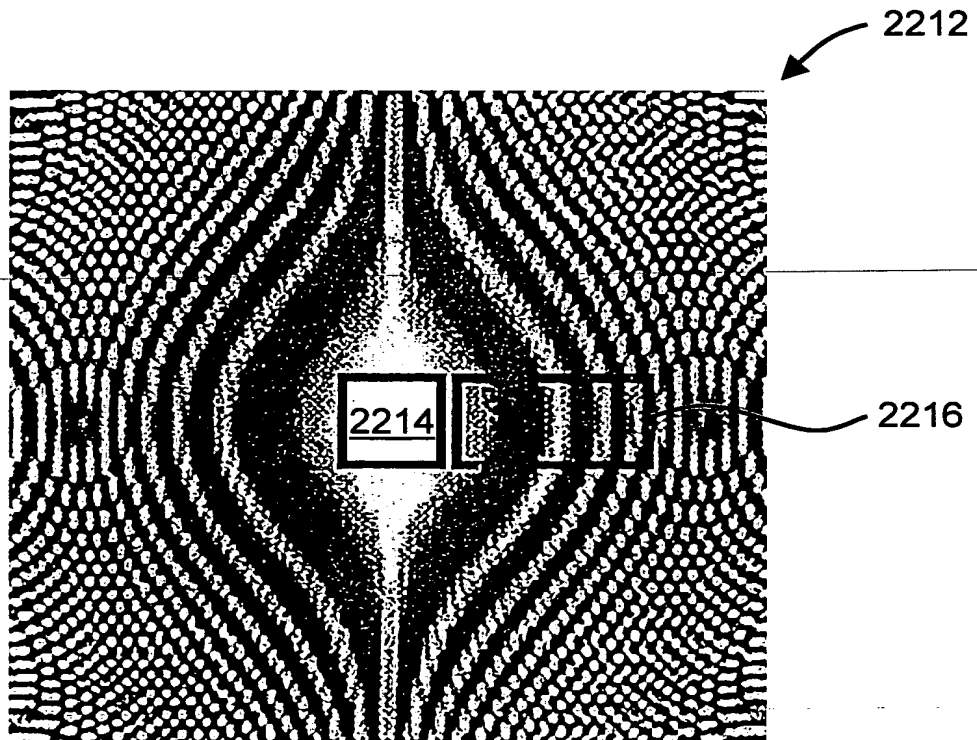
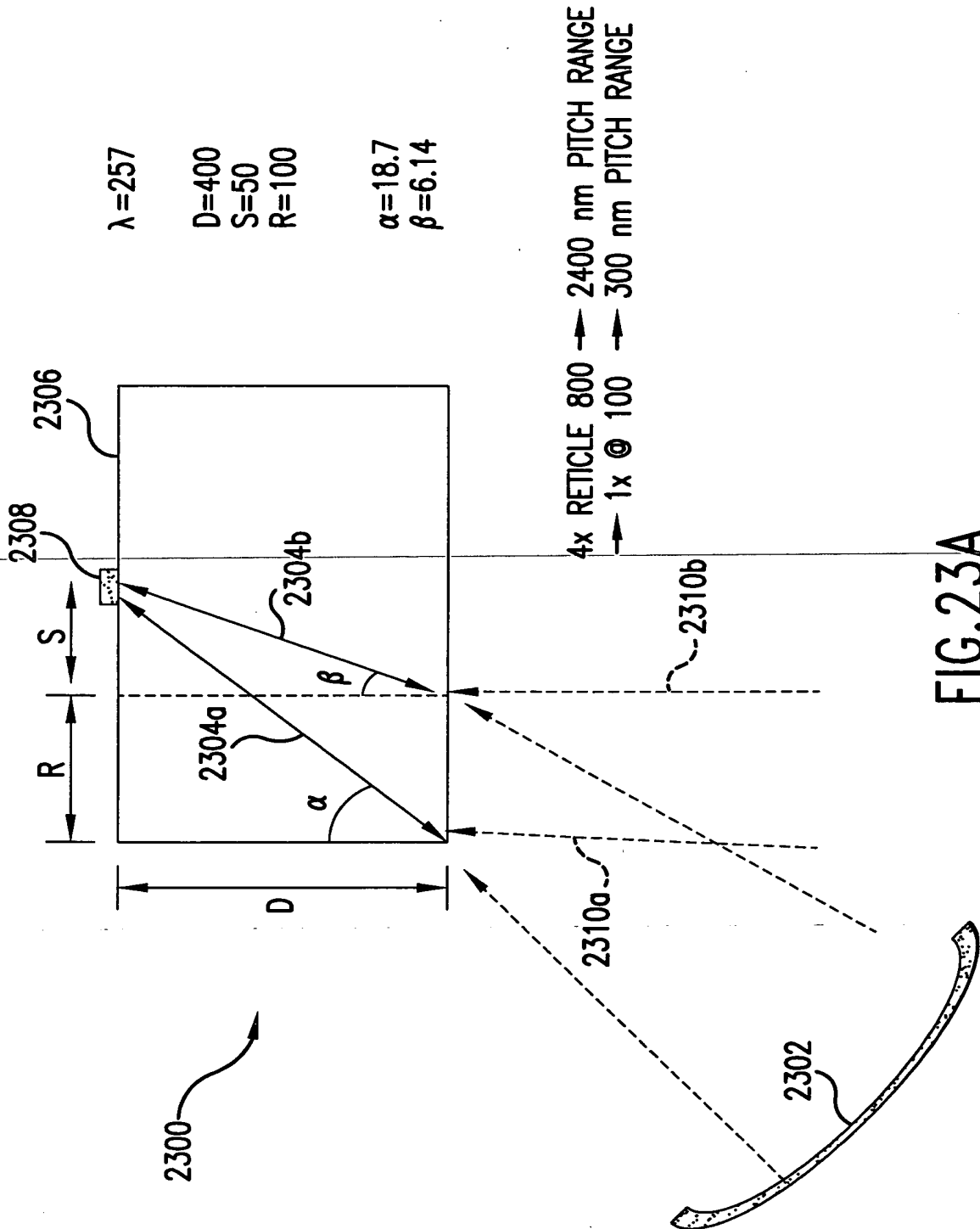
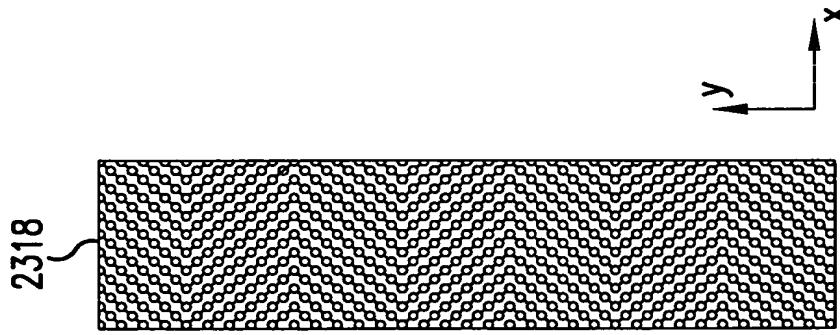
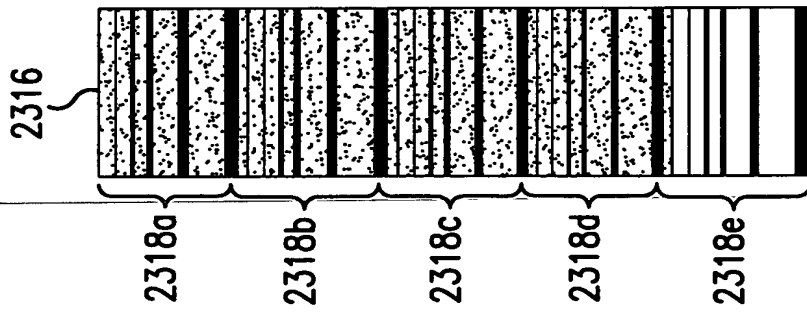


FIG.22B

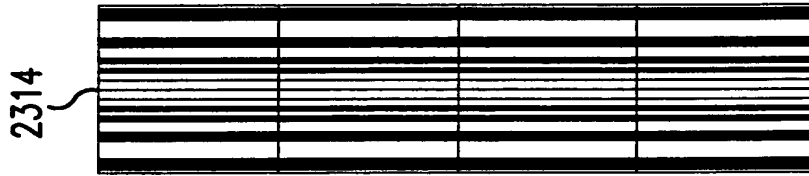




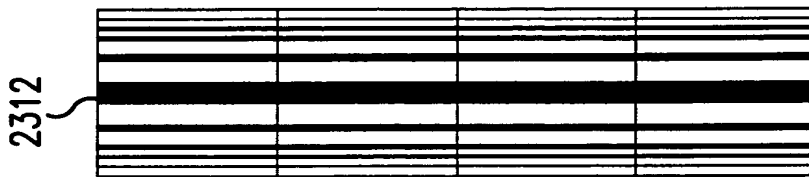
CIRCULAR ZONE
PLATE ARRAY
FIG. 23E



INTERLACED CHIRPED
HOLOGRAPHIC STRUCTURES
FIG. 23D



REVERSE CYLINDER
ZONE PLATE
FIG. 23C



CYLINDER ZONE
PLATE
FIG. 23B

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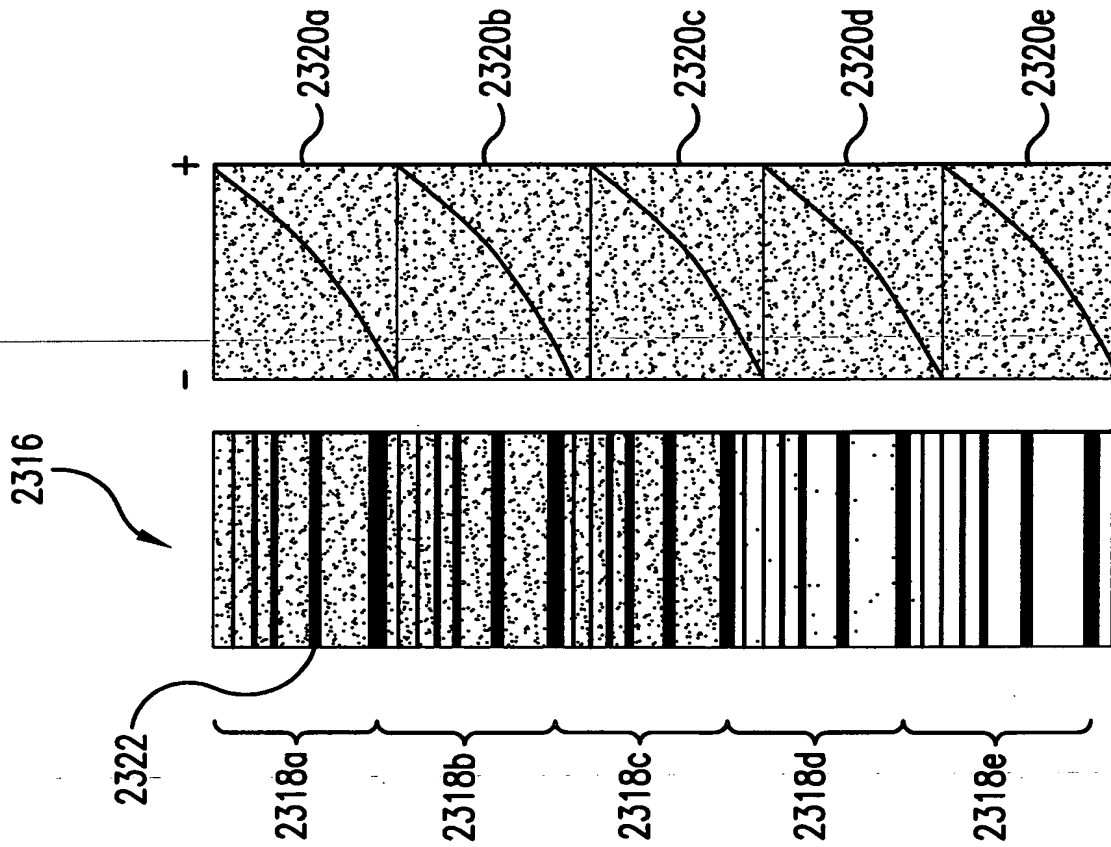


FIG. 23F

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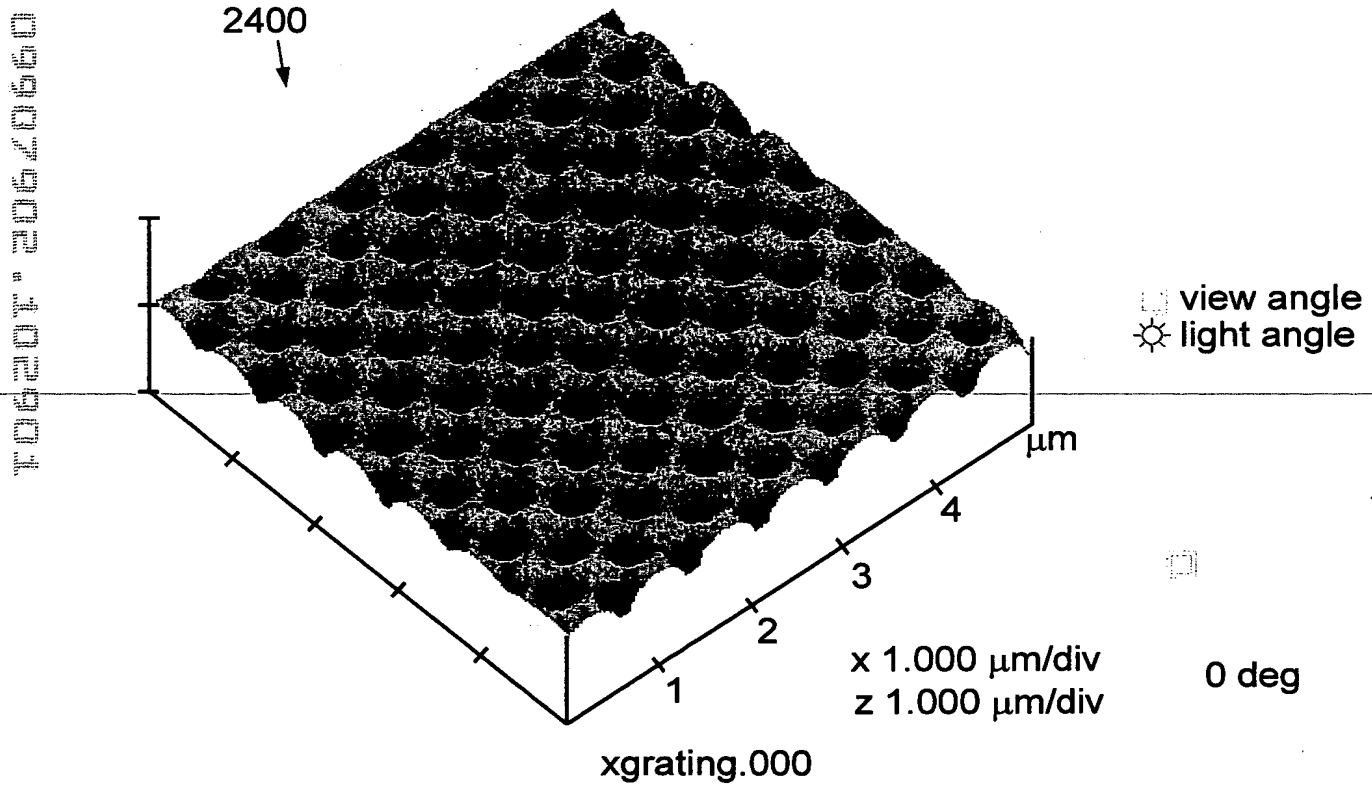


FIG.24

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2500

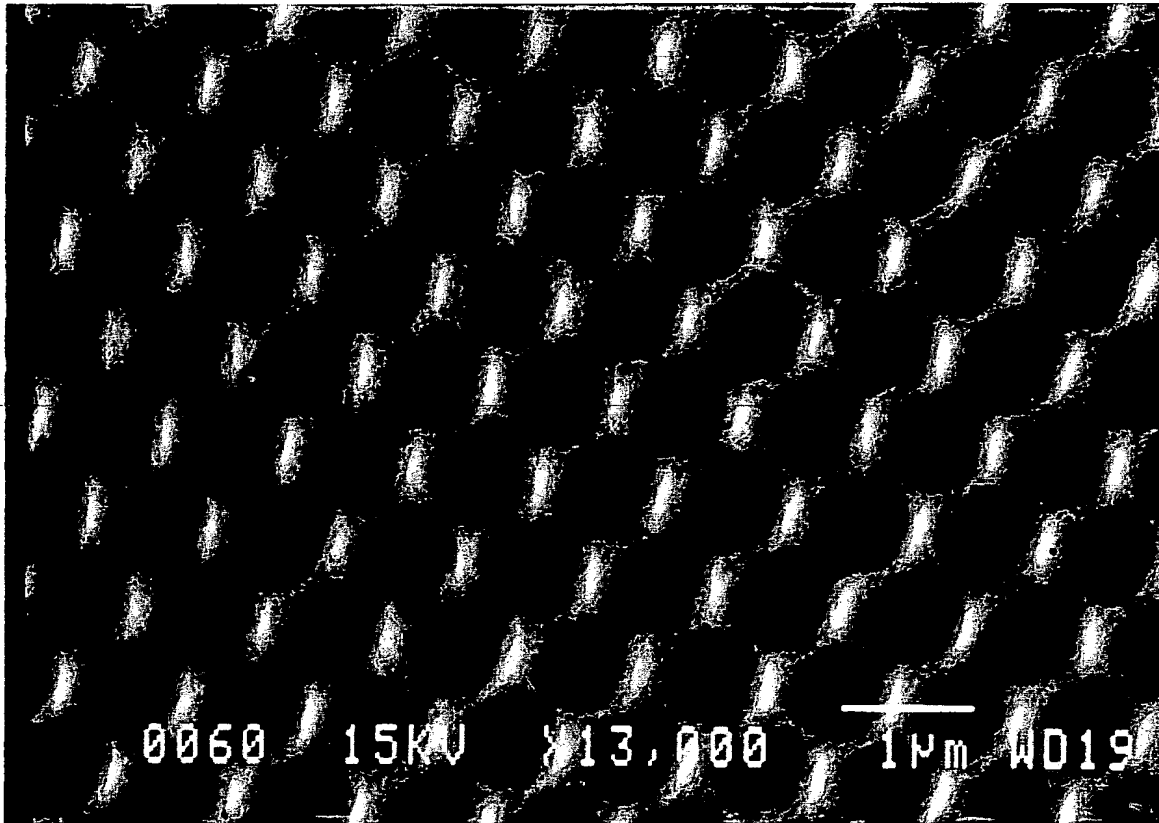


FIG.25

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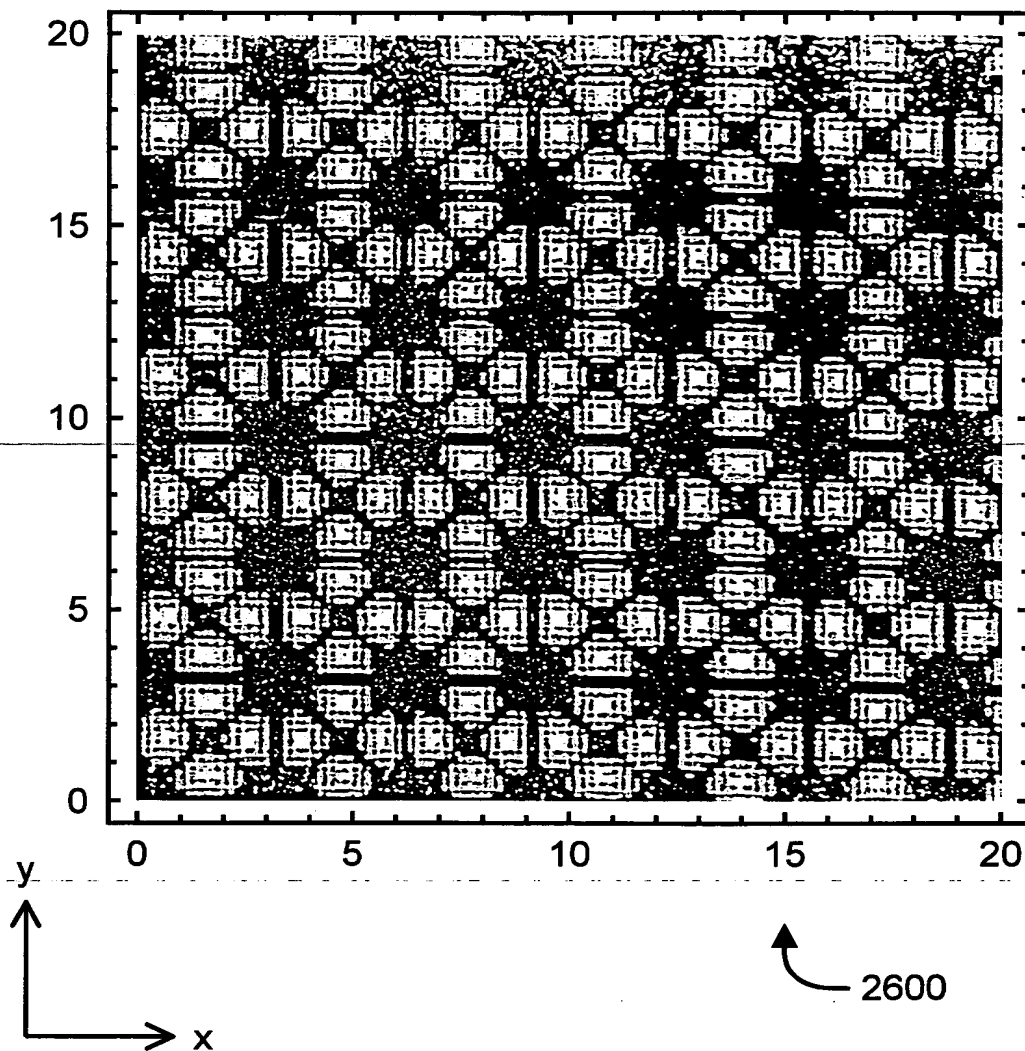


FIG.26

Appl. No. 09/907,902; Group Art Unit: 2621
Dkt. No. 1875.0300001;
Inventor(s): Matthew E. Hansen; Tel: 202/371-2600
Title: System and Method for Characterizing Optical System
Using Holographic Reticles

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2700

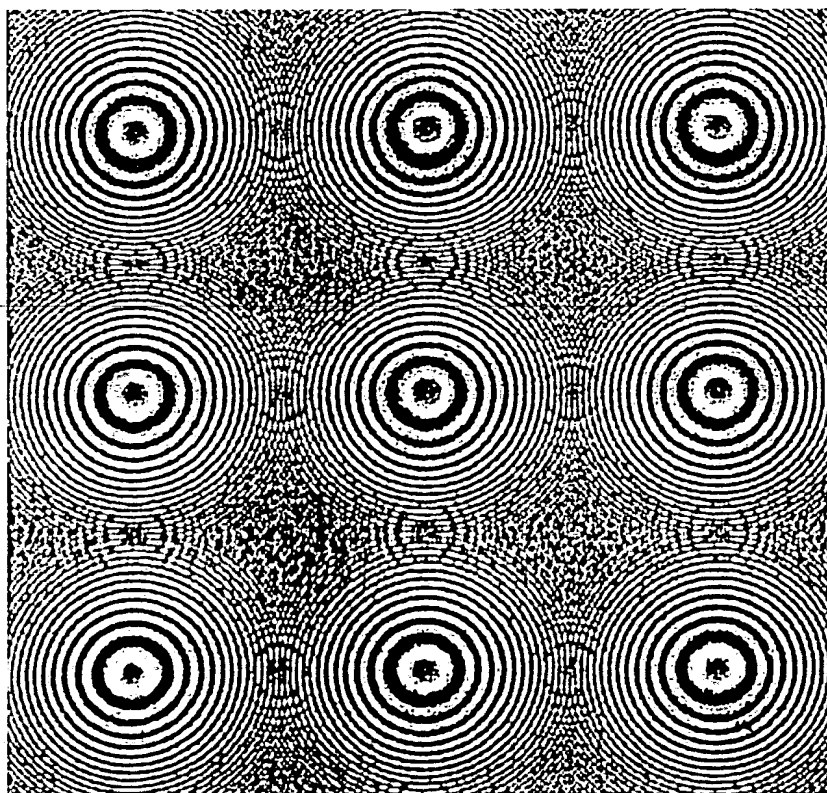


FIG.27

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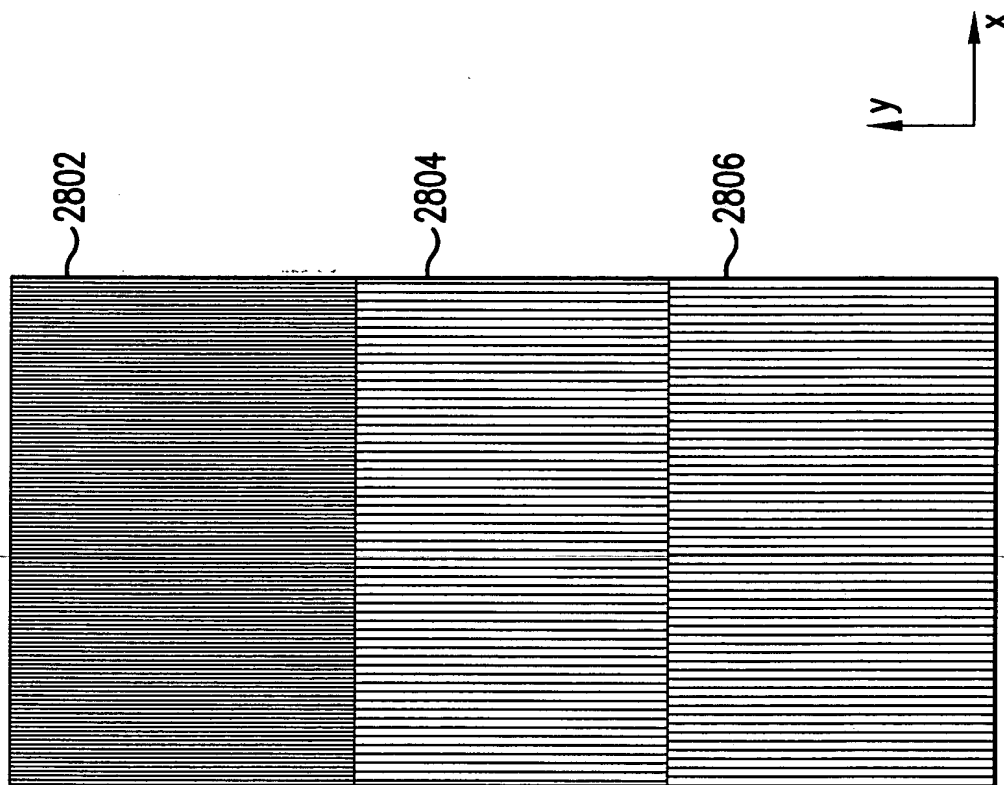


FIG.28

PITCH CHANGE

PHASE CHANGE

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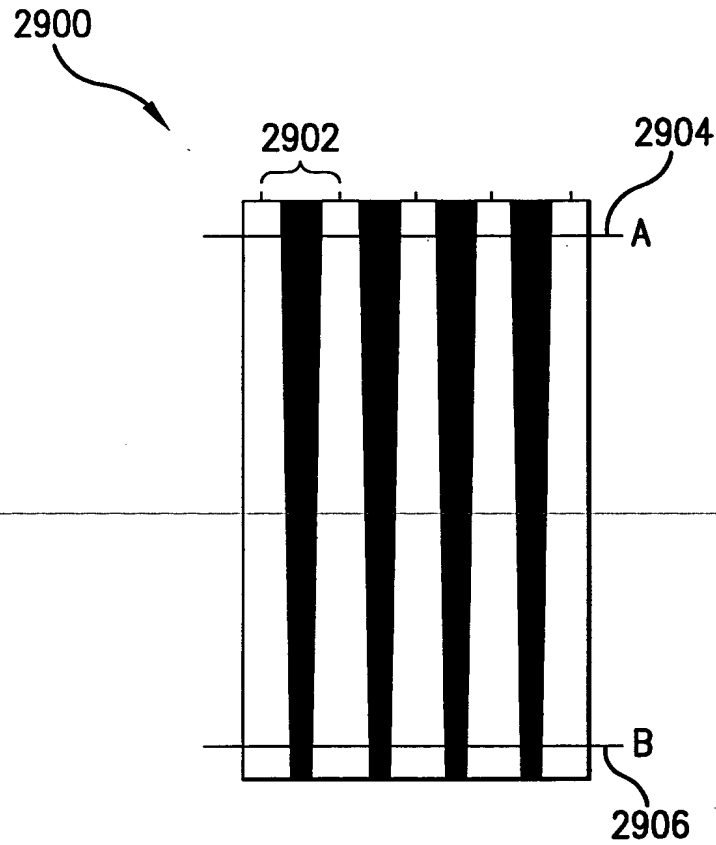


FIG. 29A

FOOTNOTES

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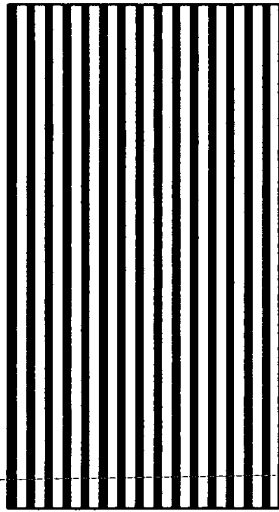
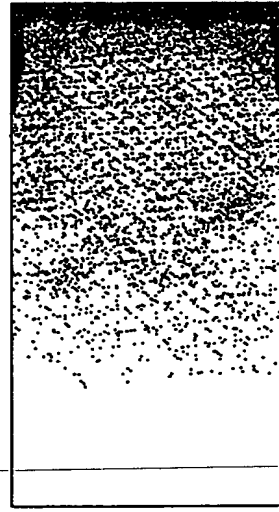


FIG. 29B

2910



2914

2912

FIG. 29C

FIG. 29B



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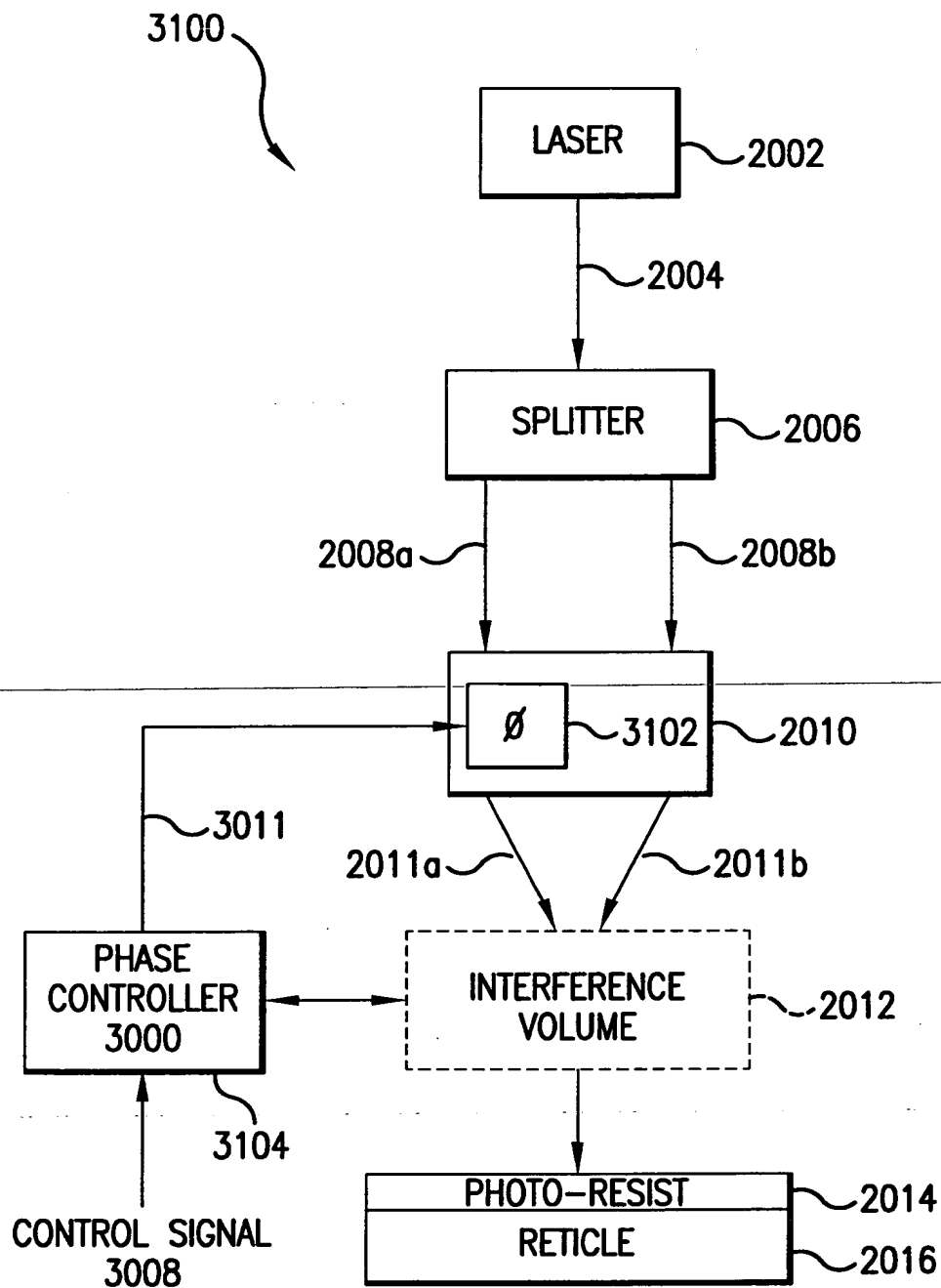


FIG.31

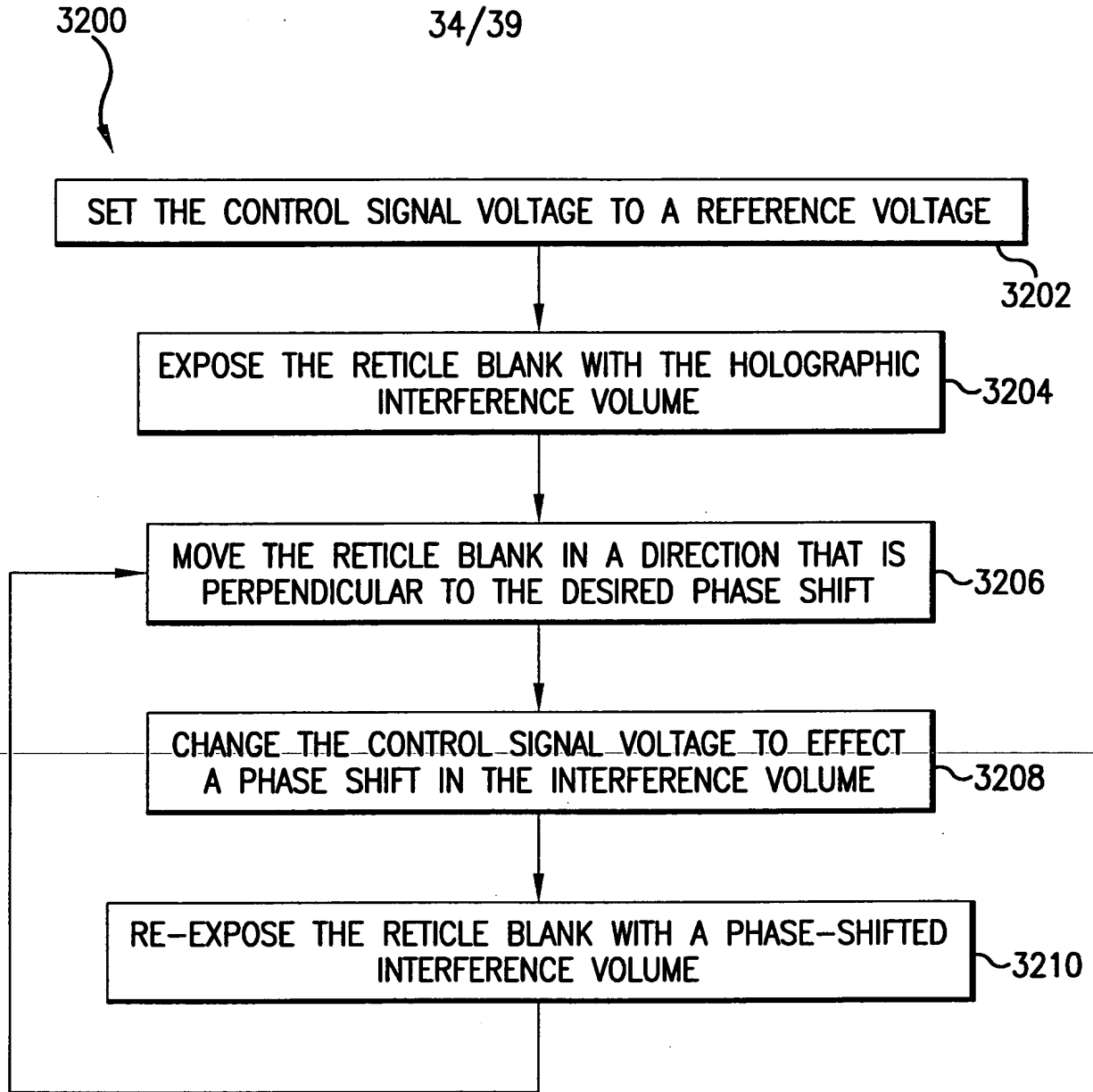


FIG.32

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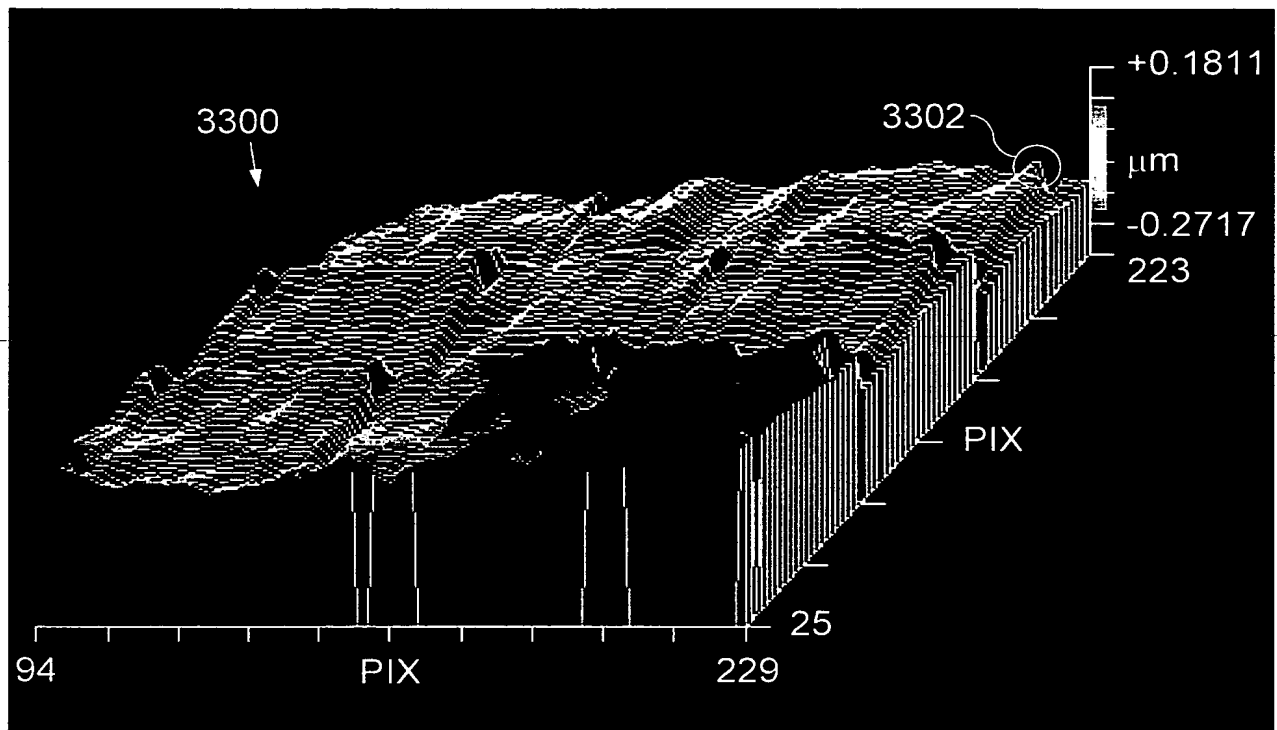


FIG.33

Appl. No. 09/907,902; Group Art Unit: 2621
 Dkt. No. 1875.0300001;
 Inventor(s): Matthew E. Hansen; Tel: 202/371-2600
 Title: System and Method for Characterizing Optical System
 Using Holographic Reticles

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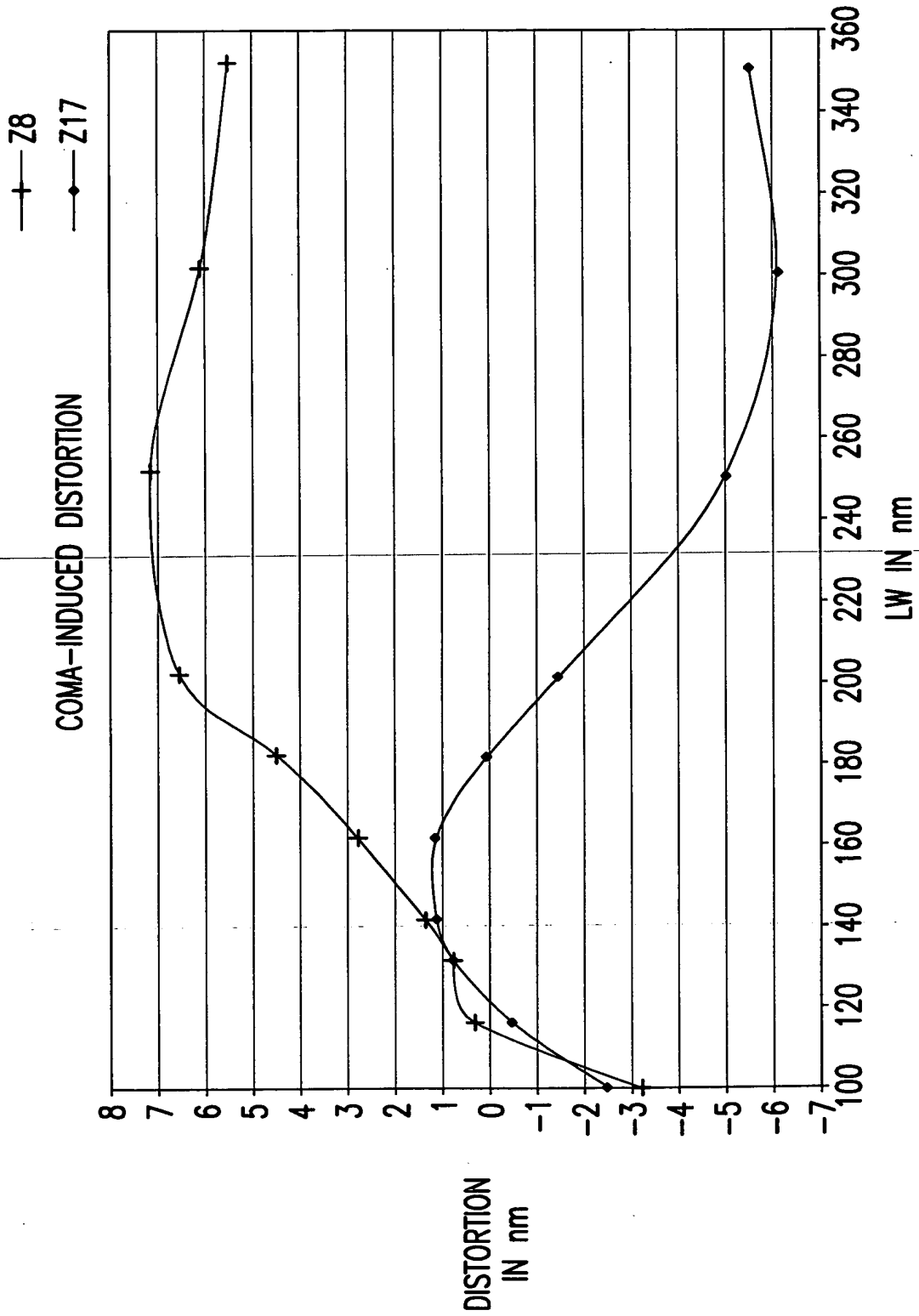


FIG.34

Appl. No. 09/907,902; Group Art Unit: 2621
 Dkt. No. 1875,0300001;
 Inventor(s): Matthew E. Hansen; Tel: 202/371-2600
 Title: System and Method for Characterizing Optical System
 Using Holographic Reticles

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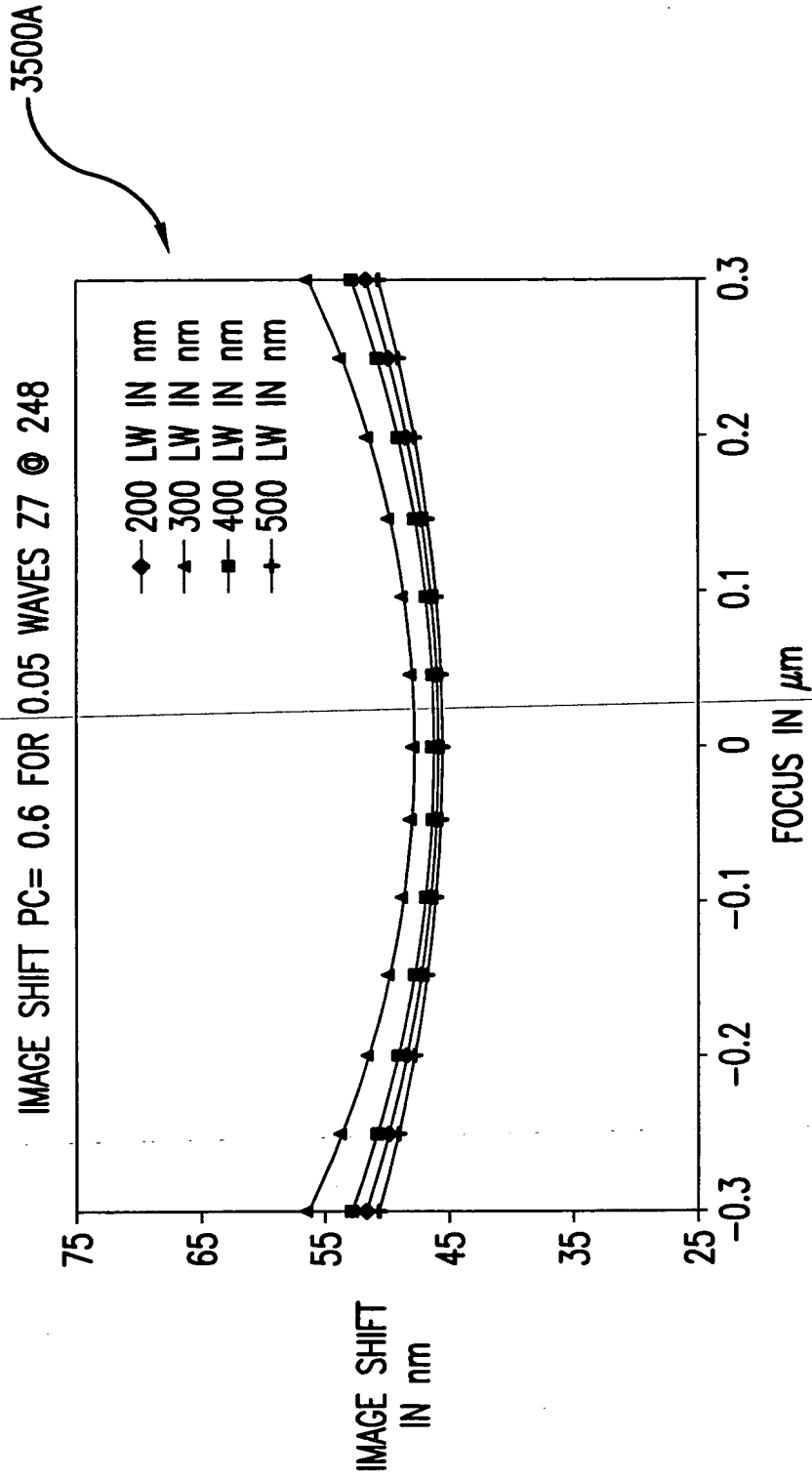


FIG.35A

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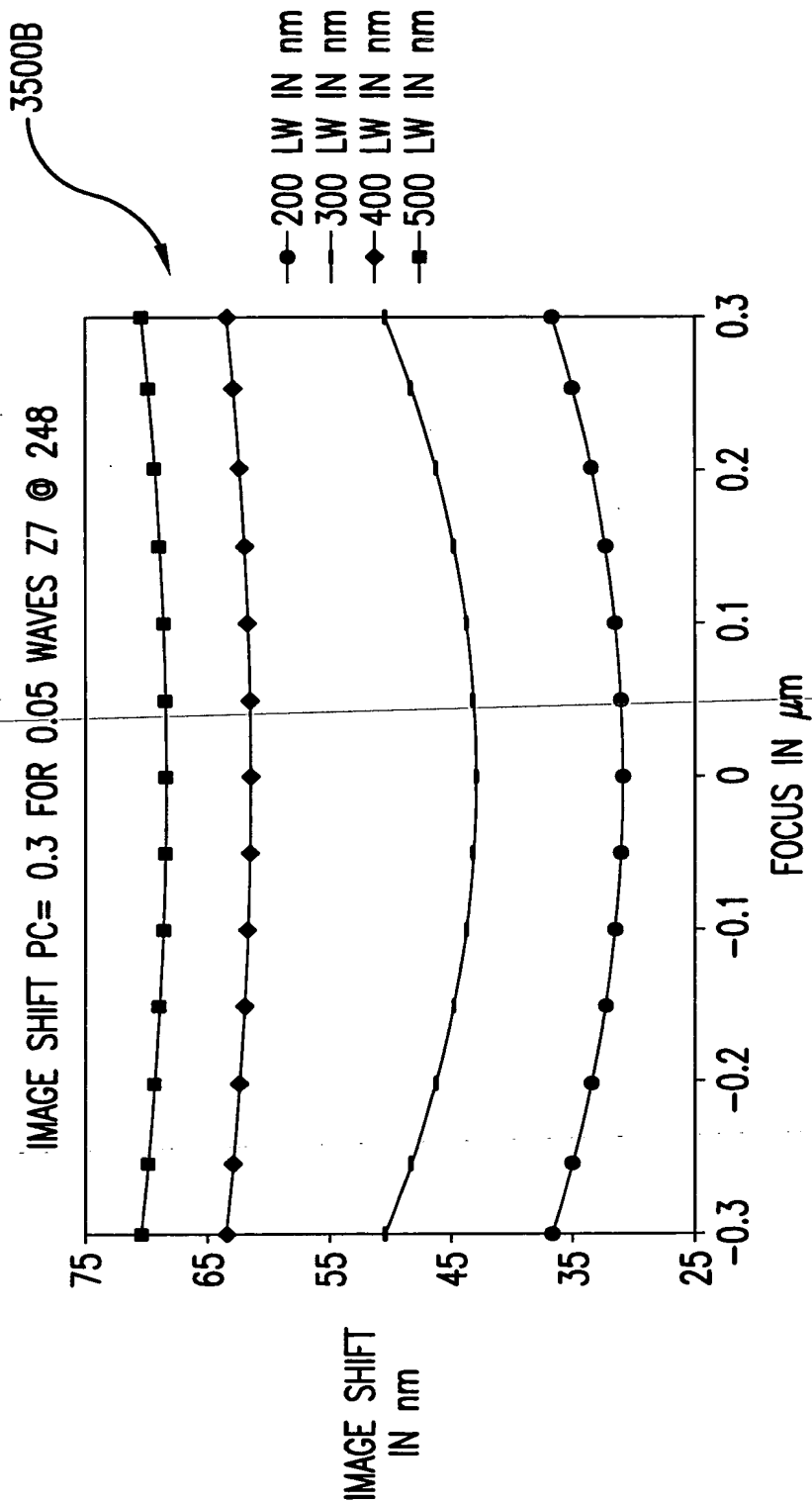



FIG. 3500B

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3600



	DIFFRACTION ORDER			
LINEWIDTH	1ST	2ND	3RD	4TH
100 nm	a			
200 nm	b	a		
300 nm	c		a	
400 nm	d	b		a
600 nm	e	c		
800 nm		d	b	
900 nm			c	
1000 nm				b
1200 nm		e	d	c

FIG.36

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